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1964
First Semester
1965

TIME TABLE

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UNIVERSITY OF ILLINOIS BULLETIN

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CALENDAR

First Semester, 1964-1965

Aug. 3, Mon.	Latest date for foreign students who have not attended a college or university in the United States to apply for admission in September, 1964.
Aug. 31, Mon.	Latest date for domestic students, or foreign students who have attended a college or university in the United States, to apply for admission or readmission in September, 1964.
Sept. 10, Thurs.-Sept. 11, Fri.	Entrance examinations (to remove deficiencies in entrance requirements).
Sept. 14, Mon.-Sept. 21, Mon.	New Student Program.
Sept. 15, Tues.-Sept. 19, Sat.	Registration.
Sept. 21, Mon., 7:00 a.m.	Instruction begins.
Sept. 21, Mon., 6:45-10:00 p.m.	Qualifying examination in English (for transfer students with eighty or more credit hours only).
Oct. 1, Thurs., 5:00 p.m.	Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
Oct. 10, Sat.	Homecoming (Illinois vs. Ohio State).
Oct. 12, Mon., 4:10 p.m.	Meeting of Urbana-Champaign Senate.
Oct. 24, Sat.	Dad's Day and Chicago Campus Day (Illinois vs. U.C.L.A.).
Nov. 9, Mon.	Earliest date for one-half credit if withdrawing from the University for military service (seven weeks completed).
Nov. 11, Wed.	Veterans Day observance (classes dismissed 10:45 to 11:15 a.m.).
Nov. 12, Thurs., 5:00 p.m.	Midsemester grades due.
Nov. 13, Fri., 5:00 p.m.	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
Nov. 14, Sat.	Football (Illinois vs. Wisconsin).
Nov. 21, Sat.	Football (Illinois vs. Michigan State).
Nov. 25, Wed., 1:00 p.m.	Thanksgiving vacation begins.
Nov. 30, Mon., 1:00 p.m.	Thanksgiving vacation ends.
Dec. 3, Thurs.	Illinois Day (State admitted to the Union, 1818).
Dec. 3, Thurs., 6:45-10:00 p.m.	Qualifying examination in English.
Dec. 10, Thurs., 6:45-10:00 p.m.	Qualifying examination in English.
Dec. 11, Fri.	Earliest date for full credit if withdrawing from the University for military service (twelve weeks completed).
Dec. 14, Mon., 4:10 p.m.	Meeting of Urbana-Champaign Senate.
Dec. 14, Mon.	Latest date to withdraw from the University without petitioning for readmission.
Dec. 22, Tues., 1:00 p.m.	Christmas vacation begins.
Jan. 4, Mon., 1:00 p.m.	Christmas vacation ends.
Jan. 7, Thurs.	Latest date for special examinations.
Jan. 16, Sat.	Last day of instruction.
Jan. 18, Mon.-Jan. 26, Tues.	Semester examinations.
Feb. 15, Mon.	Graduation date (no Commencement Exercises).

Second Semester, 1964-1965

Jan. 29, Fri.-Jan. 30, Sat.	Entrance examinations (to remove deficiencies in entrance requirements).
Feb. 1, Mon.-Feb. 6, Sat.	New Student Program.
Feb. 1, Mon.-Mar. 12, Fri.	Winter Short Course in Agriculture and Home Economics (registration 2:00 p.m. Wed., Feb. 3).

Feb. 3, Wed. ..... Preregistration for student registration staff and others.

Feb. 3, Wed.-Feb. 6, Sat. (to 3:00 p.m.) ..... Registration of graduate and undergraduate students.

Feb. 5, Fri. ..... Earliest date for special examinations.

Feb. 6, Sat., 8:00 a.m.-3:00 p.m. ..... Registration of commuting teachers.

Feb. 8, Mon., 7:00 a.m. ..... Instruction begins.

Feb. 8, Mon., 4:10 p.m. ..... Meeting of Urbana-Champaign Senate.

Feb. 8, Mon., 6:45-10:00 p.m. ..... Qualifying examination in English (for transfer students with eighty or more credit hours only).

Feb. 18, Thurs., 5:00 p.m. ..... Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.

Mar. 1, Mon. ..... Latest date for students currently enrolled to apply for student teaching assignment in fall or spring semester 1965-1966.

Mar. 2, Tues. ..... University Day (University opened, 1868; not a holiday).

Mar. 29, Mon. ..... Earliest date for one-half credit if withdrawing from the University for military service (seven weeks completed).

Apr. 1, Thurs., 5:00 p.m. ..... Midsemester grades due.

Apr. 2, Fri., 5:00 p.m. ..... Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.

Apr. 8, Thurs., 6:45-10:00 p.m. ..... Qualifying examination in English.

Apr. 12, Mon., 4:10 p.m. ..... Meeting of Urbana-Champaign Senate.

Apr. 15, Thurs., 6:45-10:00 p.m. ..... Qualifying examination in English.

Apr. 17, Sat., 12:00 noon ..... Spring vacation begins.

Apr. 26, Mon., 1:00 p.m. ..... Spring vacation ends.

Apr. 30, Fri. ..... Honors Day (classes dismissed at noon).

Apr. 30, Fri.-May 2, Sun. ..... Mother's Day weekend.

May 7, Fri., 5:00 p.m. ..... Latest date to withdraw from the University without petitioning for readmission.

May 11, Tues., 12:00 noon ..... Earliest date for full credit if withdrawing from the University for military service (twelve weeks completed).

May 21, Fri. ..... Latest date for special examinations.

May 27, Thurs.-May 28, Fri. ..... Registration for 1965 Summer Session off-campus courses.

May 29, Sat. ..... Last day of instruction.

May 30, Sun. ..... Memorial Day.

May 31, Mon. ..... Memorial Day holiday.

June 1, Tues.-June 9, Wed. ..... Semester examinations.

June 7, Mon., 4:40 p.m. ..... Meeting of Urbana-Champaign Senate.

June 19, Sat. ..... Commencement.

Eight-Week Summer Session, 1965

May 27, Thurs.-May 28, Fri. ..... Registration for off-campus courses.

June 7, Mon., 4:40 p.m. ..... Meeting of Urbana-Champaign Senate.

June 10, Thurs.-June 11, Fri. ..... Entrance examinations (to remove deficiencies in entrance requirements).

June 21, Mon. ..... Earliest date for special examinations.

June 21, Mon. ..... Registration of graduate and undergraduate students not enrolled in the second semester 1964-1965.

June 22, Tues., 7:00 a.m. ..... Instruction begins.

June 22, Tues., 6:45-10:00 p.m. ..... Qualifying examination in English (for transfer students with eighty or more credit hours only).

June 22, Tues.-June 23, Wed. . . . . Registration of graduate students enrolled in the second semester 1964-1965.

June 28, Mon., 5:00 p.m. . . . . Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.

July 4, Sun. . . . . Independence Day.

July 5, Mon. . . . . Independence Day holiday.

July 15, Thurs., 6:45-10:00 p.m. . . . . Qualifying examination in English.

July 19, Mon. . . . . Beginning of second four-week courses.

July 20, Tues., 5:00 p.m. . . . . Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.

July 21, Wed. . . . . Earliest date for one-half credit if withdrawing from the University for military service (four weeks completed).

July 29, Thurs. . . . . Latest date to withdraw from the University without petitioning for readmission.

Aug. 2, Mon. . . . . Latest date for special examinations.

Aug. 2, Mon. . . . . Latest date for foreign students who have not attended a college or university in the United States to apply for admission in September, 1965.

Aug. 4, Wed. . . . . Earliest date for full credit if withdrawing from the University for military service (six weeks completed).

Aug. 12, Thurs. . . . . Last day of instruction.

Aug. 13, Fri.-Aug. 14, Sat. . . . . Summer Session final examinations.

Aug. 16, Mon.-Sept. 11, Sat. . . . . Corps of Engineers post-Summer Session courses.

Aug. 25, Wed. . . . . Earliest date for special examinations.

Aug. 30, Mon. . . . . Latest date for domestic students, or foreign students who have attended a college or university in the United States, to apply for admission or readmission in September, 1965.

ORDER OF REGISTRATION

First Semester, 1964-1965

Preregistration

(Special permit required)

For student registration staff and others.....Tuesday, September 15
Special preregistration (for student preregistration staff).....8:00 a.m.
Regular preregistration (for student registration staff).....9:00 a.m.
Nonacademic employees and others.....10:00 a.m.

Registration

(Tuesday, September 15, through Saturday, September 19)

GRADUATE STUDENTS

The program card and other preliminary registration materials may be obtained in advance of registration days at the department offices beginning Monday, September 14. Authorization cards essential to complete registration will be distributed in the English Building in accordance with the following schedule:

A through B.....Friday afternoon, September 18
C through E.....Tuesday morning, September 15
F through He.....Tuesday afternoon, September 15
Hf through Lar.....Wednesday morning, September 16
Las through M.....Wednesday afternoon, September 16
N through Ro.....Thursday morning, September 17
Rp through Ta.....Thursday afternoon, September 17
Tb through Z.....Friday morning, September 18

Teachers wishing to register in the Graduate College who are unable to be here during the period designated will be permitted to register on Saturday, September 19, from 8:00 a.m. to 3:00 p.m. The offices will *not* be open for registration on any following Saturday.

UNDERGRADUATE STUDENTS

Authorization cards for new and former undergraduate students to complete registration will be distributed from the offices of the various colleges. *All undergraduate students*, except advance enrolled freshmen, register in accordance with the following schedule:

Tuesday, September 15

A through Bai..... 2:00 p.m.
Baj through Be..... 3:00 p.m.
Bf through Brn..... 4:00 p.m.

Wednesday, September 16

Bro through Cg..... 8:00 a.m.
Ch through Cq..... 9:00 a.m.
Cr through Dn.....10:00 a.m.
Do through Fk.....11:00 a.m.
Fl through Gh..... 1:00 p.m.
Gi through Gz..... 2:00 p.m.
Ha through Heq..... 3:00 p.m.
Her through Hz..... 4:00 p.m.

Thursday, September 17

I through J..... 8:00 a.m.
Ka through Kn..... 9:00 a.m.
Ko through Ld.....10:00 a.m.
Le through Maf.....11:00 a.m.
Mag through Mc..... 1:00 p.m.
Md through Mx..... 2:00 p.m.
My through O..... 3:00 p.m.
Pa through Pn..... 4:00 p.m.

Friday, September 18

Po through Rh..... 8:00 a.m.
Ri through Rz..... 9:00 a.m.
Sa through Sg.....10:00 a.m.
Sh through Sn.....11:00 a.m.
So through St..... 1:00 p.m.
Su through Tq..... 2:00 p.m.
Tr through Wa..... 3:00 p.m.

Tuesday, September 15

Wb through Wn.....11:00 a.m.
Wo through Z..... 1:00 p.m.

ADVANCE ENROLLED FRESHMEN

Saturday, September 19

A through Brn.....1:30 p.m.
Bro through Dh.....8:00 a.m.
Di through Gi.....8:30 a.m.
Gj through Huq.....9:00 a.m.
Hur through Lar.....9:30 a.m.
Las through Mil.....10:00 a.m.
Mim through Pq.....10:30 a.m.
Pr through Sha.....11:00 a.m.
Shb through Tt.....11:30 a.m.
Tu through Z.....1:00 p.m.

Registration is concluded in the Armory. The Armory closes at 3:00 p.m. on Saturday, September 19.

The late registration fine of $15.00 will be assessed *all students* who complete registration after Saturday, September 19.

NON-COMBINED FINAL EXAMINATION SCHEDULE

First Semester, 1964-1965

Monday, January 18, to Tuesday, January 26, 1965

Note: This schedule does not apply to law courses or to combined-section examinations. These schedules will be announced later.

TIME OF EXAMINATIONS

Final examinations must be given at the time specified unless a change is approved *in advance* by the Provost.

EVENING EXAMINATIONS

Evening examinations are *not* authorized except for classes regularly scheduled through the semester to meet at 7:00 a.m., 12:00 noon, 5:00 p.m., 7:00 p.m., and 7:30 p.m. The evening hours for these examinations are specified in the published non-combined examination schedule below.

IRREGULARLY SCHEDULED COURSES

A sectional course having *at least two lectures per week at the same hour* must schedule the examination according to the sequence (MWF or TTS) upon which the lecture hours occur, irrespective of the credit hours in the course or the time of discussion or laboratory periods.

For a course so scheduled that the examination may be given on more than one date, the earliest date in the examination schedule must be chosen. For example, in a course regularly meeting from 1:00 to 3:00 p.m. on Tuesday and Thursday, or one of these days, the final examination must be scheduled for Monday, January 18, *not* Tuesday, January 26. This includes graduate seminars.

CONFLICTS

Two or more examinations in sequence are not considered conflicts.

Departments giving combined-section examinations must care for conflicts with non-combined examinations.

LENGTH OF EXAMINATIONS

Attention is called to the action of the University Senate providing that the *maximum* limit for undergraduate examinations shall be three hours, except by special arrangement in individual cases approved by the dean of the college concerned.

Morning Classes

(a) All courses meeting on the TTS sequence, or a combination of the TTS and the MWF sequences.

Classes meeting at:

Eight O'Clock	*Nine O'Clock*	*Ten O'Clock*	*Eleven O'Clock*	*Twelve O'Clock*
Thurs., Jan. 21	Sat., Jan. 23	Mon., Jan. 25	Tues., Jan. 26	Fri., Jan. 22
8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	7:00-10:00 p.m.

(b) All courses meeting on the MWF sequence only, or on the MWFS sequence.

Classes meeting at:

Eight O'Clock	*Nine O'Clock*	*Ten O'Clock*	*Eleven O'Clock*	*Twelve O'Clock*
Wed., Jan. 20	Fri., Jan. 22	Mon., Jan. 18	Tues., Jan. 19	Thurs., Jan. 21
8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	7:00-10:00 p.m.

Afternoon Classes

(a) All courses meeting on the MWF sequence, or a combination of the MWF and the TTS sequences.

Classes meeting at:

One O'Clock	*Two O'Clock*	*Three O'Clock*	*Four O'Clock*	*Five O'Clock*
Wed., Jan. 20	Sat., Jan. 23	Mon., Jan. 25	Thurs., Jan. 21	Wed., Jan. 20
1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	7:00-10:00 p.m.

(b) All courses meeting on the TTS sequence only.

Classes meeting at:

One O'Clock	*Two O'Clock*	*Three O'Clock*	*Four O'Clock*	*Five O'Clock*
Mon., Jan. 18	Tues., Jan. 26	Fri., Jan. 22	Tues., Jan. 19	Tues., Jan. 19
1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	7:00-10:00 p.m.

Evening and Early Morning Classes

Examinations for classes meeting at 7:00 p.m. or 7:30 p.m. or at 7:00 a.m. will be on Monday, January 18, from 7:00-10:00 p.m.

One-Hour Courses

Examinations for one-hour courses are to be arranged for by the instructors concerned within the examination period (January 18 to January 26).

LISTING OF COURSES

The arrangement of subjects in this time table is alphabetical. The courses offered in each subject are listed numerically with headings to indicate the students for whom they are designed. Courses for undergraduates (freshmen and sophomores) are numbered 100 to 199; for advanced undergraduates (juniors and seniors), 200 to 299; for advanced undergraduates and graduates (juniors, seniors, and graduates), 300 to 399; for graduates, 400 to 499. Following the title of each course is a statement of the requirements, if any, for admission to the course.

Credit

Credit for undergraduate students is counted in semester hours. An hour is one class period a week for one semester or the equivalent in laboratory or field work or approved independent study. The number of hours for which each course counts is shown under each course. Students having ninety or more hours of credit, without regard to the curriculum in which they may be enrolled, are classified as seniors for the purpose of designating those freshman courses which, when taken by seniors or graduate students, carry reduced credit.

Credit for graduate students is counted in units. A unit course requires ten hours of time each week through the semester, irrespective of the distribution of that time in classwork, laboratory or field work, and private study. Four such courses or their equivalent constitute a student's normal program for one semester. The unit values of graduate courses are indicated under each of these courses.

Buildings

University buildings are designated by the following abbreviations:

Administration Building.....Admin
Aeronautical Engineering Laboratory..Aero Lab
Agricultural Engineering Building.....Agr Eng
Altgeld Hall.....AH
Animal Genetics Building.....An Gen
Animal Sciences Laboratory.....ASL
Architecture Building.....Arch
Bevier Hall.....Bev Hall
Burnsides Research Laboratory.....BRL
Burrill Hall.....Bur Hall
Ceramics Building.....Cer
Chemistry Annex.....CA
Child Development Laboratory.....CD
Civil Engineering Hall.....CEH
Commerce Annex.....Com Annex
Commerce and Business Administration Building.....Com W
Dairy Manufactures Building.....DMB
Davenport Hall.....DH
David Kinley Hall.....DKH
East Chemistry Building.....EC
Educational Projects and Guidance Building.....EPGB
Education Building.....Educ
Electrical Engineering Annex.....EE Annex
Electrical Engineering Building.....EEB
Elementary Education Center.....EEC
English Building.....EB
Fine and Applied Arts Building.....FAB
Floriculture Building.....Flor
Foundry and Pattern Laboratory.....Fdy & Pat Lab
Gregory Hall.....GH
Harker Hall.....HH
Hill Annex.....HA
Horticulture Field Laboratory.....HFL
Huff Gymnasium.....HG
Hydraulic Engineering Laboratory.....Hyd Eng Lab
Illini Hall.....IH
Krannert Art Museum.....KM
Labor and Industrial Relations Building....ILIR
Law Building.....Law
Library.....Lib
Lincoln Hall.....LH
Mechanical Engineering Building.....MEB
Mechanical Engineering Laboratory.....MEL
Men's Old Gymnasium.....MOG
Metallurgical and Mining Building.....MMB
Mining and Metallurgy Laboratory....Met Lab
Morrill Hall.....Mor Hall
Mumford Hall.....MH
Natural History Building.....NHB
Noyes Laboratory of Chemistry.....NL
Observatory.....Observ
Physics Building.....PB
Practice Annex.....PA
Quonset.....Q
Rehabilitation Center.....Rehab Center
Rural Electric Laboratory.....RE Lab
Smith Music Hall.....SMH
Speech Clinic.....Sp Clinic
Stiven House.....SH
Stock Judging Pavilion.....SP
String Annex.....SA
Surveying Building.....Surv Bldg
Talbot Laboratory.....TL
Theory Annex.....TA
Transportation Building.....TB
Turner Hall.....TH
University High School.....UHS
Vegetable Crops Building.....Veg Crops
Veterinary Clinic, Large Animal.....VCLA
Veterinary Clinic, Small Animal.....VCSA
Veterinary Medicine Building.....VM
Women's Gymnasium.....W Gym

LISTING OF HONORS SECTIONS

FOLLOWING IS A LISTING OF HONORS SECTIONS OFFERED DURING THE FIRST SEMESTER 1964-65. THESE SECTIONS, IDENTIFIED BY THE AMPERSAND SYMBOL-&-PRECEDING THE SECTION DESIGNATION, ALSO APPEAR IN THE ALPHABETICAL LISTING OF COURSES.

ACCY	10100035	LECT-DISC	*&B2	9	M W F	322	D K H			
ACCY	10100036	LECT-DISC	*&C2	10	M W F	322	D K H			
ACCY	10800058	LECT-DISC	*&B	9	M W F	317	D K H			
ACCY	10800059	LECT-DISC	*&C2	10	M W F	317	D K H			
ACCY	29100077	CONF	&	2-4	TU	317A	D K H			
ACCY	29500078	CONF	&A	ARR						
A A E	29600186	CONF	&A	ARR						
A A E	29700187	CONF	&A	ARR						
AGR	29000270	LECT-DISC	&A	1-3	TH	449	BEV HALL		CLARK	
AN S	20000389	LAB	&	ARR					STAFF	
ANTH	10200435	QUIZ	*&G	10	TU	313	D H			
ANTH	10300446	QUIZ	*&G	11	TU	311	D H			
ANTH	29000451	CONF	&A	ARR					STAFF	
BIOL	20300984	LECT	&	ARR	M				NANCE AND STAFF	
BOT	10101002	LAB-DISC	&A	1-3	M W F	204	N H B		STAFF	
BOT	10101003	LAB-DISC	&B	1-4	TU TH	204	N H D		RUGERS	
BOT	29301015	CONF	&	ARR					STAFF	
B ADM	11001038	DISC	&	1-3	TU	215B	D K H			
B ED	29101070	CONF	&	ARR						
B ED	29201071	CONF	&	ARR						
B LAW	10001083	LECT-DISC	*&L	10-1120	TU TH	236	COM W		CURLEY	
CER E	29901104	CONF	&	ARR						
CHEM	10701228	QUIZ	*&BD	9	M W F	210	C A			
CHEM	10701228	LAB	*&BD	10-12	M W	1	C A			
CHEM	10701229	QUIZ	*&9A	2	M W F	210	C A			
CHEM	10701229	LAB	*&9A	8-10	W F	201	C A			
CHEM	10801233	QUIZ	*&1A	11	M W	162	N L			
CHEM	10801233	LAB	*&1A	1-4	TU TH	201	C A			
CHEM	10901248	QUIZ	*&4A	2	M W F	217	N L			
CHEM	10901248	LAB	*&4A	1-3	TU TH	101	C A			
CHEM	29001305	CONF	&	ARR					STAFF	
CH E	29001376	CONF	&	ARR					STAFF	
C E	29701444	CONF	&C	ARR						
C E	29901445	CONF	&	ARR					STAFF	
D G S	11201615	DISC	*&S1	4	M WTHF	141	A H			
D G S	11201616	DISC	*&S2	4	M WTHF	143	A H			
D G S	13101658	LAB-DISC	*&3	8-10	TU TH	432	N H B			
D G S	14101676	DISC	*&S	2	TU TH	9	C A			
ECON	10201718	LECT-DISC	*&D	11	M W F	126	COM W			
ECON	10301726	LECT-DISC	*&D	11	M W F	125	D K H			
ECON	10801765	LECT-DISC	*&C1	10	M W F	111	D K H			
ECON	17001783	LECT-DISC	*&B1	9	M W F	40	COM W			
ECON	170		*&B1	9	TU	206	D K H			
ECON	21001792	LECT-DISC	*&C	10	M W F	245	COM W			
ECON	29001808	CONF	&	ARR						
ECON	29201809	CONF	&	ARR						

EDPSY	24901924	CONF	&A	ARR							STAFF
EDPSY	29101925	CONF	&A	ARR							STAFF
E E	22901994	DISC	*&XH	8	M W F	252	E E 5				
E E	25002036	DISC	*&XH	11	MTUWTHF	252	F E 3				
E E	25102048	LAB	*&XH	9-11	F	50H	F E 2				
E E	29602067	CONF	&XH	2	TU	136	E E F				
E E	29702068	CONF	&XH	3-5	TU	133	F E 3				
E E	29902069	CONF	&	ARR							
E E	32202081	DISC	*&XH	11	MTU THF	168	E E F				
E E	32302091	LAB	*&XH	9-11	F	132	E E 2				
E E	33002102	DISC	*&XH	10	TU TH S	252	E E 3				
E E	33102119	LAB	*&XH	2-5	W	50K	F E 5				
E E	34002152	DISC	*&XH	9	M W F	162	E E F				
E E	34102173	LAB	*&XH	3-5	M	235	E E 2				
E E	34202182	DISC	*&XH	10	TU TH S	163	E E 3				
E E	34302192	LAB	*&XH	2-5	TH	238	E E 3				
E E	35002204	DISC	*&XH	1	M W F	252	E E 3				
EL ED	10102283	DISC	*&1	9	TH	33	EDUC				JOHNSON
EL ED	23602311	LECT-DISC	*&B	9	M W F	162	EDUC				STENDLER
EL ED	24902321	CONF	&A	ARR							STAFF
EL ED	29102322	CONF	&A	ARR							STAFF
ENGL	19702440	LECT-DISC	&F1	2-4	TU	210A	E B				BRANDAU
ENGL	19702441	LECT-DISC	&F2	2-4	TH	210A	E B				GOLDING
ENGL	29502481	LECT-DISC	&M1	10-12	TH	119	F B				NIMS
ENGL	29502482	LECT-DISC	&M2	10-12	TH	210A	E B				KAUFMANN
ENGL	29702483	LECT-DISC	&E1	1	M W	210A	F B				MILLIGAN
ENGL	29702484	LECT-DISC	&E2	1	M W	309	E B				SCHNEIDER
ENTOM	30602537	DISC	&	ARR							STAFF
FIN	25002556	LECT-DISC	*&G1	3	M W F	123	D K H				ARLT
FIN	29002587	CONF	&	ARR							HEDGES
FIN	29402588	LECT-DISC	&GT	4-6	TU	96	COM W				HEDGES, [illegible]
FR	10302693	LECT-DISC	*&C3	10	TUWTHF	374	L H				
FR	21102751	LECT-DISC	*&F1	2	M W F	46	G H				
FR	29102771	CONF	&	ARR							STAFF
G E	10302845	LAB-DISC	*&G1	1-4	TU TH	302	T B				
G E	29302894	CONF	&B	ARR							STAFF
G E	39302898	CONF	*&A	ARR							STAFF
GEOG	37102961	LECT-DISC	&E	1-3	TU	113	D H				FELLMAN
GEOG	37202962	LECT-DISC	&A	ARR							STAFF
GEOL	10103009	QUIZ	*&6	8	F	236	N H B				
GEOL	10103010	QUIZ	*&17	1	F	236	N H B				
GEOL	10103011	LAB	*&20	3-5	TH	143	N H B				
GEOL	10203024	LAB-DISC	*&9	3-5	TU	143	N H 3				
GEOL	11103039	LAB-DISC	&	ARR							WAHL AND
GEOL	11203040	LAB-DISC	&	ARR							JOHNSON AND
GEOL	29003050	CONF	&A	ARR							STAFF
GER	10103112	LECT-DISC	*&S	1	MTUWTH	261	L H				
GER	10203122	LECT-DISC	*&S	1	MTUWTH	329	G H				
GER	29103159	CONF	&	ARR							STAFF
HIST	11103238	DISC	*&S	11	TU TH	433	ARMORY				LEE
HIST	13103251	DISC	*&S	11	TU TH	333	ARMORY				
HIST	29303298	CONF	&	ARR							MCCOLLEY AND
HIST	29503299	CONF	&	ARR							MCCOLLEY AND
HP ED	20103366	DISC	*&1	9	TH	162	EDUC				
HP ED	24903367	CONF	&A	ARR							STAFF
HP ED	29103368	CONF	&A	ARR							STAFF
H EC	29003470	LECT-DISC	&A	1-3	TH	449	BEV HALL				CLARK
H EC	37903484	CONF	&	ARR							DUNSING

I E	29603588	CONF	&P	ARR						
ITAL	29103602	CONF	&A	ARR						STAFF
JCURN	29103633	CONF	&	ARR						STAFF
LAT	29103691	CONF	&	ARR			360	L	H	BATEMAN
MGMT	29103842	CONF	&E	ARR						
MGMT	29503843	CONF	&	ARR						
MKTG	10103870	LECT-DISC	•&B	4	M	W F	170	COM	W	MILLICAN
MKTG	29103882	CONF	&	ARR						STAFF
MKTG	29503883	CONF	&	ARR						STAFF
MATH	12304091	LECT-DISC	•&A1	8	MTUWTHF		243	A	H	EUSTICE
MATH	12304092	LECT-DISC	•&D1	11	MTUWTHF		247	A	H	
MATH	12304093	LECT-DISC	•&E1	1	MTUWTHF		347	A	H	PALEY
MATH	12304094	LECT-DISC	•&F1	2	MTUWTHF		108	A	H	PEPPER
MATH	13204118	LECT-DISC	•&A1	8	MTUWTHF		169	A	H	WETZEL
MATH	14204145	LECT-DISC	•&A1	8	M	W F	343	A	H	APPEL
MATH	14204146	LECT-DISC	•&D1	11	M	W F	165	A	H	LEVY
MATH	14204147	LECT-DISC	•&E1	1	M	W F	245	A	H	REINER
MATH	14304166	LECT-DISC	•&A1	8	MTUWTHF		159	A	H	BROWN
MATH	14904167	DISC	•&P	ARR						
MATH	14904168	DISC	•&Q	ARR						
MATH	14904169	DISC	•&R	ARR						
MATH	14904170	DISC	•&S	ARR						
MATH	24904182	DISC	•&P							
MATH	24904183	DISC	•&Q							
MATH	29104189	LECT-DISC	&	ARR						
MATH	34704273	LECT-DISC	•&A1	3	M	W F	259	A	H	PERESSINI
MATH	34904280	LECT-DISC	•&D1	11	M	W F	173	A	H	JERRARD
M E	22104398	LECT-DISC	•&Q1	9	M	W F	343	M	E B	
M E	22104398	LAB	•&Q1	9-12	TU TH		343	M	E B	
M E	27104438	LECT-DISC	•&Q1	10-12	M	W F	353	M	E B	
M E	29604442	CONF	&P	ARR						
MET E	29904480	CONF	&	ARR						
MCBIO	20704502	CONF	&	ARR				BUR	HALL	STAFF
MIN E	29904613	CONF	&	ARR						STAFF
PHIL	20105010	CONF	&	ARR						
PHIL	20205011	CONF	&	ARR						
PHIL	30305019	DISC	•&K	5	TU		154	L	H	
PHIL	48305046	CONF	&	ARR						
PHIL	49905047	CONF	&	ARR						
PHYCS	10605574	LAB	•&E1	1-3	M		232	P	B	
PHYCS	10605574	QUIZ	•&E1	1-3		W	139	P	B	
PHYCS	10605575	LAB	•&M1	1-3	TU		232	P	B	
PHYCS	10605575	QUIZ	•&M1	1-3		TH	232	P	B	
PHYCS	10705603	LAB	•&A1	8-10	M		234	P	B	
PHYCS	10705603	QUIZ	•&A1	8-10		W	234	P	B	
PHYCS	10705604	LAB	•&M1	1-3	TU		234	P	B	
PHYCS	10705604	QUIZ	•&M1	1-3		TH	139	P	B	
PHYCS	10805622	LAB	•&A2	8-10		F	236	P	B	
PHYCS	10805622	QUIZ	•&A2	8-10		W	236	P	B	
PHYCS	10805623	LAB	•&M2	1-3		TH	236	P	B	
PHYCS	10805623	QUIZ	•&M2	1-3	TU		236	P	B	
PHYCS	30305632	LAB	•&C	ARR			336	P	B	
PHYCS	30305633	LAB	&C	ARR			336	P	B	WATTENBERG
PHYCS	30405637	LAB	•&C	ARR			336	P	B	
PHYCS	30405638	LAB	•&C	ARR			336	P	B	WATTENBERG
PHYSL	20305730	LECT	&A	2	M	W	228	N	H B	TAYLOR, WILLIS
PHYSL	20305731	LECT	&B	10	TU TH		228	N	H B	
PHYSL	20305732	LAB	&	3-6	TU TH		422	BUR	HALL	

PCL S	14905776	LECT-DISC	6	ARR							
PCL S	15005781	LECT-DISC	•6G	10	M	W	F	3[illegible]	L	H	
PCL S	24005796	LECT-DISC	6	1-3	TU			3[illegible]	L	H	
PCL S	29105791	LECT-DISC	6	ARR							STAFF
PSYCH	10005915	LECT	•6H	1	M	W	F	315	[illegible]	H	[illegible]
PSYCH	10005916	LECT	•6I	9	M	W	F	315	[illegible]	H	[illegible]
PSYCH	21005956	LECT	•6H	11	M	W	F	313	[illegible]	H	[illegible]
PSYCH	25005963	LECT	•6H	9	M	W	F	313	[illegible]	H	
PSYCH	25005967	LECT	•6H	10	M	W	F	313	[illegible]	H	
PSYCH	29105975	LECT	6	3-420	TU TH			445	[illegible]	H	[illegible]
PSYCH	29305976	LECT	6	ARR							STAFF
PSYCH	33805998	LECT	•6H	[illegible]	M	W	F	315	[illegible]	H	[illegible]
R TV	29106037	CONF	6	ARR							STAFF
RHET	10706321	LECT-DISC	6A1	[illegible]	M	W	F	24[illegible]	M F [illegible]		ROGERS
RHET	10706322	LECT-DISC	6A1	9	M	W	F	144	REV HALL		
RHET	10706323	LECT-DISC	6C1	1[illegible]	M	W	F	[illegible]9	C A		[illegible]
RHET	10706324	LECT-DISC	6C1	11	M	W	F	21[illegible]A	[illegible]	H	
RHET	10706325	LECT-DISC	6X1	12	M	W	F	21[illegible]A	[illegible]	H	
RHET	10706326	LECT-DISC	6AL	12	M	W	F	144	L	H	
RHET	10706327	LECT-DISC	6E1	1	M	W	F	110	E P		HUDNALL
RHET	10706328	LECT-DISC	6E2	1	M	W	F	240	L H		
RHET	10706329	LECT-DISC	6F1	3	M	W	F	205	[illegible]	[illegible]	HUDNALL
RHET	10706330	LECT-DISC	6G1	9	M	W	F	205	[illegible]	[illegible]	
RHET	10706331	LECT-DISC	6H1	4	M	W	F	205	[illegible]	[illegible]	
RHET	15106434	LECT-DISC	•6L1	10	TU			106	D K H		[illegible]
RHET	151		•6L1	10-12		TH		106	D K H		[illegible]
RUSS	10306463	LECT-DISC	•6J	1	MTUWTH			270	L H		
RUSS	29106475	CONF	6	ARR							STAFF
SE ED	24006515	LECT-DISC	•6L1	1[illegible]	TU TH			2[illegible]	EDUC		
SE ED	24906535	CONF	6A	ARR							STAFF
SE ED	29106536	CONF	6A	ARR							STAFF
SCC	10406638	SOIZ	•6A6	9	TU TH			12[illegible]4	W OREGON		
SCC	10406639	SOIZ	•6A9	2	TU TH			1204	W OREGON		
SCC	29006647	CONF	6A	ARR							STAFF
SPAN	10206711	LECT-DISC	6S	2	MTUWTH			170	L H		
SPAN	10306727	LECT-DISC	6S	11	TUWTHF			274	L H		
SPAN	10406740	LECT-DISC	6S	1[illegible]	TUWTHF			170	L H		CLAYLOCK
SPAN	29106763	CONF	6A	ARR							STAFF
SP ED	24906792	CONF	6A	ARR							STAFF
SP ED	29106793	CONF	6A	ARR							STAFF
SPCH	10106860	LECT-DISC	•6S1	2	M	W	F	132	L H		
SPCH	14106895	LECT-DISC	•6S	2	M	W	F	20[illegible]	[illegible]	H	SLOAN
SPCH	29106918	CONF	6	ARR							STAFF
SPCH	29306919	CONF	6	ARR							STAFF
T A M	29607041	CONF	6	ARR							
T A M	29707042	CONF	6	ARR							
T A M	29907043	CONF	6	ARR							
V M S	39207094	LAB	6A	ARR							STAFF
V M	39207103	LAB	6A	ARR							STAFF
VCTEC	24907130	CONF	6A	ARR							STAFF
VCTEC	29107138	CONF	6A	ARR							STAFF
ZOOL	10107162	LAB-DISC	•6S	1-4	TU TH			309	N H H		
ZOOL	30307223	CONF	6A	ARR							STAFF

ACCOUNTANCY

DEPARTMENT OFFICE 321 D K H

COURSES FOR UNDERGRADUATES

ACCY 101 PRINCIPLES OF ACCOUNTING I.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
•3 HOURS
•SECTIONS &B2 AND &C2 OPEN TO JAMES SCHOLARS AND OTHER HONOR STUDENTS.

00001	LECT-DISC	A1	8	M W F	108	D K H
00002	LECT-DISC	A2	8	M W F	317	D K H
00003	LECT-DISC	A3	8	M W F	160	COM W
00004	LECT-DISC	J	8	TU TH S	152	COM W
00005	LECT-DISC	B1	9	M W F	108	D K H
00035	LECT-DISC	•&B2	9	M W F	322	D K H
00006	LECT-DISC	B3	9	M W F	160	COM W
00007	LECT-DISC	K	9	TU TH S	152	COM W
00008	LECT-DISC	C1	10	M W F	215	D K H
00036	LECT-DISC	•&C2	10	M W F	322	D K H
00009	LECT-DISC	C3	10	M W F	94	COM W
00010	LECT-DISC	L1	10	TU TH S	30	COM W
00011	LECT-DISC	L2	10	TU TH S	152	COM W
00012	LECT-DISC	D1	11	M W F	322	D K H
00013	LECT-DISC	D2	11	M W F	30	COM W
00014	LECT-DISC	M1	11	TU TH S	30	COM W
00015	LECT-DISC	M2	11	TU TH S	152	COM W
00016	LECT-DISC	X1	12	M W F	115	D K H
00017	LECT-DISC	X2	12	M W F	215	D K H
00018	LECT-DISC	X3	12	M W F	317	D K H
00019	LECT-DISC	X4	12	M W F	152	COM W
00020	LECT-DISC	X5	12	M W F	243	COM W
00021	LECT-DISC	E1	1	M W F	108	D K H
00022	LECT-DISC	E2	1	M W F	115	D K H
00023	LECT-DISC	E3	1	M W F	317A	D K H
00024	LECT-DISC	E4	1	M W F	322	D K H
00025	LECT-DISC	F1	2	M W F	108	D K H
00026	LECT-DISC	F2	2	M W F	317A	D K H
00027	LECT-DISC	F3	2	M W F	322	D K H
00028	LECT-DISC	F4	2	M W F	152	COM W
00029	LECT-DISC	G1	3	M W F	108	D K H
00030	LECT-DISC	G2	3	M W F	215	D K H
00031	LECT-DISC	G3	3	M W F	317	D K H
00032	LECT-DISC	G4	3	M W F	317A	D K H
00033	LECT-DISC	G5	3	M W F	322	D K H
00034	LECT-DISC	G6	3	M W F	30	COM W

ACCY 105 PRINCIPLES OF ACCOUNTING II.
PREREQUISITE--ACCY. 101.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
•3 HOURS

00037	LECT-DISC	A	8	M W F	94	COM W
00038	LECT-DISC	B	9	M W F	94	COM W
00039	LECT-DISC	K	9	TU TH S	160	COM W
00040	LECT-DISC	C	10	M W F	317A	D K H
00041	LECT-DISC	L	10	TU TH S	160	COM W
00042	LECT-DISC	D	11	M W F	317A	D K H
00043	LECT-DISC	E	1	M W F	160	COM W
00044	LECT-DISC	F	2	M W F	160	COM W
00045	LECT-DISC	G	3	M W F	160	COM W

ACCY 106 ELEMENTARY COST ACCOUNTING.
PREREQUISITE--ONE YEAR OF ACCOUNTANCY, SOPHOMORE STANDING.
3 HOURS

00046	LECT-DISC	X	12	M W F	24	COM W
00047	LECT-DISC	F	2	M W F	24	COM W

ACCY 108 INTERMEDIATE ACCOUNTING.
PREREQUISITE--ONE YEAR OF ACCOUNTANCY, SOPHOMORE STANDING.
3 HOURS
*SECTIONS &B AND &C2 OPEN TO JAMES SCHOLARS AND OTHER HONOR STUDENTS.

00048	LECT-DISC	A	8	M	W	F	317A	D	K	H
00058	LECT-DISC	*&B	9	M	W	F	317	D	K	H
00049	LECT-DISC	C1	10	M	W	F	108	D	K	H
00059	LECT-DISC	*&C2	10	M	W	F	317	D	K	H
00050	LECT-DISC	D1	11	M	W	F	108	D	K	H
00051	LECT-DISC	D2	11	M	W	F	317	D	K	H
00052	LECT-DISC	E1	1	M	W	F	317	D	K	H
00053	LECT-DISC	E2	1	M	W	F	30	COM		W
00054	LECT-DISC	E3	1	M	W	F	24	COM		W
00055	LECT-DISC	F1	2	M	W	F	317	D	K	H
00056	LECT-DISC	F2	2	M	W	F	30	COM		W
00057	LECT-DISC	G	3	M	W	F	24	COM		W

ACCY 166 COST ACCOUNTING.
PREREQUISITE--ACCY. 105. OPEN ONLY TO STUDENTS WHO RECEIVED CREDIT IN ACCY. 105 AFTER FEBRUARY, 1964.
3 HOURS

00060	LECT-DISC	A	8	M	W	F	115	D	K	H
00061	LECT-DISC	B	9	M	W	F	115	D	K	H
00062	LECT-DISC	C	10	M	W	F	115	D	K	H
00063	LECT-DISC	D	11	M	W	F	115	D	K	H

COURSES FOR ADVANCED UNDERGRADUATES

ACCY 201 FUNDAMENTALS OF ACCOUNTING.
A SURVEY COURSE FOR NON-COMMERCE STUDENTS ONLY.
3 HOURS

00064	LECT-DISC	A	8	M	W	F	322	D	K	H
00065	LECT-DISC	B	9	M	W	F	317A	D	K	H
00066	LECT-DISC	E	1	M	W	F	243	COM		W
00067	LECT-DISC	F	2	M	W	F	115	D	K	H
00068	LECT-DISC	G1	3	M	W	F	115	D	K	H
00069	LECT-DISC	G2	3	M	W	F	243	COM		W

ACCY 208 ELEMENTARY AND INTERMEDIATE ACCOUNTING.
PREREQUISITE--JUNIOR STANDING, GENERAL UNIVERSITY AVERAGE OF 3.5, OR CONSENT OF THE HEAD OF THE DEPARTMENT.
5 HOURS

00070	LECT-DISC	D	11	MTUWTHF	94	COM W

ACCY 221 CURRENT ACCOUNTING TOPICS.
PREREQUISITE--ACCY. 308.
2 HOURS

00071	LECT-DISC	N	1	TU TH	152	COM W

ACCY 274 BASIC FEDERAL INCOME TAX ACCOUNTING.
PREREQUISITE--ACCY. 108.
3 HOURS

00072	LECT-DISC	A	8	M	W	F	215	D	K	H
00073	LECT-DISC	B	9	M	W	F	215	D	K	H
00074	LECT-DISC	D	9	M	W	F	215	D	K	H
00075	LECT-DISC	E	1	M	W	F	215	D	K	H
00076	LECT-DISC	F	2	M	W	F	215	D	K	H

ACCY 291 HONORS COURSE.
2 TO 4 HOURS

00077	CONF	&	2-4	TU	317A	D K H

ACCY 295 INDEPENDENT STUDY.
*TEN SEMESTER HOURS IN THIS DEPARTMENT OR SIXTEEN HOURS DIVIDED BETWEEN THIS DEPARTMENT AND ANY OTHER DEPARTMENT MAY BE ACCUMULATED.
*3 TO 5 HOURS

00078	CONF	&A	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ACCY 308 ADVANCED ACCOUNTING.
PREREQUISITE--ACCY. 106 AND 108, AN AVERAGE OF C OR BETTER IN PRECEDING COURSES IN ACCOUNTANCY.
3 HOURS, OR 3/4 UNIT

00079	LECT-DISC	A	8	M W F	30	COM W		
00080	LECT-DISC	B	9	M W F	30	COM W		
00081	LECT-DISC	D	11	M W F	160	COM W		
00082	LECT-DISC	E	1	M W F	152	COM W		
00083	LECT-DISC	G	3	M W F	152	COM W		

ACCY 341 GOVERNMENTAL ACCOUNTING.
PREREQUISITE--ACCY. 108.
2 HOURS, OR 1/2 UNIT

00084	LECT-DISC	J	8	TU TH	30	COM W		
00085	LECT-DISC	K	9	TU TH	30	COM W		

ACCY 362 BUSINESS BUDGETS AND ACCOUNTING CONTROL.
PREREQUISITE--ACCY. 108, ACCY. 106 FOR STUDENTS MAJORING IN INDUSTRIAL ADMINISTRATION.
3 HOURS, OR 3/4 UNIT

00086	LECT-DISC	C	10	M W F	30	COM W		

ACCY 366 ADVANCED COST ACCOUNTING.
PREREQUISITE--MINIMUM OF NINE HOURS OF ACCOUNTANCY, INCLUDING ACCY. 106.
2 HOURS, OR 1/2 UNIT

00087	LECT-DISC	J	8	TU TH	243	COM W		
00088	LECT-DISC	K	9	TU TH	243	COM W		
00089	LECT-DISC	L	10	TU TH	243	COM W		
00090	LECT-DISC	M	11	TU TH	243	COM W		

ACCY 371 AUDITING.
PREREQUISITE--ACCY. 308.
3 HOURS, OR 3/4 UNIT

00091	LECT-DISC	C	10	M W F	160	COM W		
00092	LECT-DISC	D	11	M W F	243	COM W		
00093	LECT-DISC	F	2	M W F	243	COM W		

ACCY 372 AUDITING PROBLEMS AND CASES.
PREREQUISITE--ACCY. 371.
3 HOURS, OR 3/4 UNIT

00094	LECT-DISC	J	8-920	TU TH	317	D K H		
00095	LECT-DISC	L1	10-1120	TU TH	317	D K H		
00096	LECT-DISC	L2	10-1120	TU TH	115	D K H		

ACCY 377 ADVANCED PROBLEMS.
PREREQUISITE--SENIOR STANDING, CREDIT OR REGISTRATION IN ACCY. 371.
3 HOURS, OR 1 UNIT

00097	LECT-DISC	A1	8	M W F	152	COM W		
00098	LECT-DISC	A2	8	M W F	243	COM W		
00099	LECT-DISC	B1	9	M W F	152	COM W		
00100	LECT-DISC	B2	9	M W F	243	COM W		
00101	LECT-DISC	C1	10	M W F	152	COM W		
00102	LECT-DISC	C2	10	M W F	243	COM W		
00103	LECT-DISC	D	11	M W F	152	COM W		

COURSES FOR GRADUATES

ACCY 432 ACCOUNTING UNDER DIFFERENT SOCIAL SYSTEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00104	LECT-DISC		4-6	F	11	COM W		DE MARIS

ACCY 466 COST ACCOUNTING THEORY AND ANALYSIS.
1 UNIT

00105	LECT-DISC		4-6	W	152	COM W		DICKEY

ACCY 471 ACCOUNTING REPORTS.
1 UNIT

00106	LECT-DISC		2-4	TH	11	COM W		WAKEFIELD

ACCY 473 THE THEORY OF ACCOUNTING SYSTEM DESIGN.
1 UNIT

00107	LECT-DISC		4-6	TH	152	COM W	THOMAS

ACCY 474 INCOME TAX DEVELOPMENT.
1 UNIT

00108	LECT-DISC		4-6	M	152	COM W	SKADDEN

ACCY 481 CONCEPTS AND PRINCIPLES.
1 UNIT

00109	LECT-DISC		2-4	TU	152	COM W	BEDFORD

ACCY 483 INCOME DETERMINATION.
1 UNIT

00110	LECT-DISC		2-4	TU	24	COM W	FESS

ACCY 484 THE ACCOUNTING THEORY OF BUSINESS INCOME.
1 UNIT

00111	LECT-DISC		2-4	TU	11	COM W	MAUTZ

ACCY 493 SPECIAL RESEARCH PROBLEMS.
1/4 TO 2 UNITS

00112	CONF		ARR				

ACCY 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
M. S. CANDIDATES SHOULD REGISTER IN SECTION S1, AND PH. D.
CANDIDATES IN SECTION S2.

00113	DISC	S1	4-6	TU	240	COM W	WAKEFIELD
00114	DISC	S2	4-6	TU	240	COM W	MAUTZ

ACCY 566 ACCOUNTING PROBLEMS OF INDUSTRIAL MANAGEMENT.
1 UNIT

00115	LECT-DISC		2-330	M W	11	COM W	SCHONFIELD

ACCY 594 METHODS AND PRACTICES IN PROFESSIONAL RESEARCH.
PREREQUISITE--CANDIDACY FOR M.A.S. DEGREE.
1 UNIT

00116	LECT-DISC		4-6	W	243	COM W	ZIMMERMAN

ADVERTISING

DEPARTMENT OFFICE 120A G H

COURSES FOR ADVANCED UNDERGRADUATES

ADV 281 INTRODUCTION TO ADVERTISING.
*CREDIT IS NOT GIVEN FOR BOTH ADV. 281 AND MKTG. 287.
*3 HOURS

00117	LECT-DISC	A	8	M W F	43	G H	BARBAN
00118	LECT-DISC	B	9	M W F	43	G H	PRESHING
00119	LECT-DISC	C	10	M W F	43	G H	
00120	LECT-DISC	D	11	M W F	43	G H	BARBAN
00121	LECT-DISC	E	1	M W F	43	G H	SIMON
00122	LECT-DISC	G	3	M W F	113	G H	

ADV 288 SALES WRITING.
SAME AS MKTG. 288 AND RHET. 271.
PREREQUISITE--RHET. 101, 102, AND 151, OR CONSENT OF INSTRUCTOR.
2 HOURS

00123	LECT-DISC	F	2	M W	306	D K H	GIESELMAN
00124	LECT-DISC	K	9	TU TH	326	D K H	MAGUIRE
00125	LECT-DISC	M	11	TU TH	306	D K H	MAGUIRE

ADV 291 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

00126	CONF		ARR							STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ADV 382 ADVERTISING COPY AND LAYOUT.
SAME AS MKTG. 382.
PREREQUISITE--ADV. 281 OR MKTG. 287.
•CREDIT IS NOT GIVEN FOR BOTH ADV. 382 AND 282.
•4 HOURS, OR 1 UNIT

00127	LECT		10	M	W		9	G	H	SARGENT
00128	LAB	E	1-3	M	W		18	G	H	SARGENT
00129	LAB	J	8-10	TU	TH		18	G	H	
00130	LAB	L	10-12	TU	TH		18	G	H	

ADV 383 ADVERTISING MEDIA.
SAME AS MKTG. 383.
PREREQUISITE--ADV. 281 OR MKTG. 287.
3 HOURS, OR 1/2 UNIT

00131	LECT-DISC	C	10	M	W	F	18	G	H	MOYER
00132	LECT-DISC	F	2	M	W	F	43	G	H	BARBAN

ADV 384 ADVERTISING CAMPAIGNS.
SAME AS MKTG. 384.
PREREQUISITE--ADV. 382 OR 282, ADV. 383.
3 HOURS, OR 1/2 UNIT

00133	LECT-DISC	B	9	M	W	F	113	G	H	MOYER

ADV 385 ADVERTISING PROMOTION AND SALES.
SAME AS MKTG. 385.
PREREQUISITE--ADV. 281 OR MKTG. 287.
2 HOURS, OR 1/2 UNIT

00134	LECT	M	11	TU			225	G	H	MCCLURE
00134	LAB	M	10-12		TH		225	G	H	MCCLURE
00135	LECT	O	2	TU			225	G	H	MCCLURE
00135	LAB	O	2-4		TH		225	G	H	MCCLURE

ADV 386 RADIO AND TELEVISION ADVERTISING.
SAME AS MKTG. 386.
PREREQUISITE--ADV. 281 OR MKTG. 287.
2 HOURS, OR 1/2 UNIT

00136	LECT-DISC	C	10	M	W		123	G	H	MCCLURE

ADV 387 ADVERTISING POLICIES AND PROBLEMS.
SAME AS MKTG. 387.
PREREQUISITE--ADV. 281 OR MKTG. 287.
3 HOURS, OR 1/2 OR 1 UNIT

00137	LECT-DISC	A	8	M	W	F	305	D	K H	WEDDING
00138	LECT-DISC	B	9	M	W	F	305	D	K H	WEDDING

ADV 388 ADVERTISING IN CONTEMPORARY SOCIETY.
SAME AS MKTG. 388.
PREREQUISITE--ADV. 281 OR MKTG. 287 OR CONSENT OF INSTRUCTOR.
•GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388 AND 481.
•2 HOURS, OR 1/2 UNIT

00139	LECT-DISC	K	9	TU	TH		123	G	H	SARGENT
00140	LECT-DISC	M	11	TU	TH		123	G	H	SARGENT

COURSES FOR GRADUATES

ADV 481 ADVANCED ADVERTISING PRINCIPLES.
SAME AS MKTG. AND COMM. 481.
•GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388 AND 481.
•1 UNIT

00141	LECT-DISC		3-5		W		123	G	H	SANDAGE

ADV 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
SAME AS COMM. AND MKTG. 482.
1 UNIT
00142 LECT-DISC 3-5 TH 123 G H SIMON

ADV 483 ADVERTISING AND THE MASS MEDIA.
SAME AS MKTG. AND COMM. 483.
1 UNIT
00143 LECT-DISC 3-5 M 18 G H MOYER

ADV 490 SPECIAL TOPICS IN ADVERTISING.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1/2 OR 1 UNIT
00144 CONF ARR STAFF

ADV 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN ADVERTISING.
1 OR 2 UNITS
00145 CONF ARR STAFF

AERONAUTICAL AND ASTRONAUTICAL ENGINEERING

DEPARTMENT OFFICE 101 T B

COURSES FOR ADVANCED UNDERGRADUATES

A A E 211 AERODYNAMICS OF PERFECT FLUIDS.
PREREQUISITE--T A M 156, CREDIT OR REGISTRATION IN MATH. 343.
3 HOURS
00146 LECT-DISC A 11 M W F 204 T B
00147 LECT-DISC B 2 M W F 105 T B

A A E 214 AERODYNAMICS OF THE AIRPLANE.
PREREQUISITE--A A E 211.
3 HOURS
00148 LECT-DISC A 1 M W F 105 T B
00149 LECT-DISC B 4 M W F 204 T B

A A E 216 AERODYNAMICS OF COMPRESSIBLE FLUIDS.
PREREQUISITE--A A E 211 AND 232.
3 HOURS
00150 LECT-DISC A 9 M W F 105 T B
00151 LECT-DISC B 11 M W F 203 T B

A A E 220 AIRCRAFT STRUCTURES.
PREREQUISITE--T A M 221 AND 223.
3 HOURS
00152 LECT-DISC A 8 M W F 204 T B
00153 LECT-DISC B 2 M W F 204 T B

A A E 221 AIRCRAFT SHELL STRUCTURES.
PREREQUISITE--A A E 220.
3 HOURS
00154 LECT-DISC A 1 M W F 204 T B
00155 LECT-DISC B 3 M W F 105 T B

A A E 222 INDETERMINATE AIRCRAFT STRUCTURES.
PREREQUISITE--A A E 221.
3 HOURS
00156 LECT-DISC A 10 M W F 103 T B

A A E 232 AEROTHERMODYNAMICS.
PREREQUISITE--M. E. 202 OR 205, A A E 211.
3 HOURS
00157 LECT-DISC A 9 M W F 103 T B
00158 LECT-DISC B 3 M W F 204 T B

A A E 233 AIRCRAFT PROPULSION.
PREREQUISITE--A A E 232.
3 HOURS

00159	LECT-DISC	A	8	M W F	105	T B
00160	LECT-DISC	B	10	M W F	105	T B

A A E 241 FLIGHT VEHICLE DESIGN.
PREREQUISITE--A A E 214.
3 HOURS

00161	LECT-DISC	A	9	TU TH	103	T B
00161	LAB	A	2-5	W	103	T B

A A E 250 INTRODUCTION TO AEROELASTICITY.
PREREQUISITE--REGISTRATION IN A A E 222.
3 HOURS

00162	LECT-DISC	A	9	M W F	204	T B

A A E 261 AERODYNAMICS LABORATORY.
PREREQUISITE--A A E 232.
2 HOURS

00163	LECT-DISC		10-12	TU	103	T B
00164	LAB	A	3-5	M	103	T B
00165	LAB	B	1-3	TU	103	T B
00166	LAB	C	3-5	TU	103	T B
00167	LAB	D	1-3	W	109	AERO LAB B
00168	LAB	E	3-5	W	109	AERO LAB B
00169	LAB	F	1-3	TH	103	T B
00170	LAB	G	3-5	TH	103	T B

A A E 262 AIRCRAFT POWER PLANT LABORATORY.
PREREQUISITE--A A E 233.
1 HOUR

00171	LAB	A	130-420	M	109	AERO LAB B
00172	LAB	B	130-420	TU	109	AERO LAB B
00173	LAB	C	130-420	TH	109	AERO LAB B
00174	LAB	D	130-420	F	109	AERO LAB B

A A E 264 AIRCRAFT STRUCTURES LABORATORY.
PREREQUISITE--A A E 221.
2 HOURS

00175	LECT-DISC		10-12	S	103	T B
00176	LAB	A	1-3	TU	111	AERO LAB B
00177	LAB	B	3-5	TU	111	AERO LAB B
00178	LAB	C	1-3	TH	111	AERO LAB B
00179	LAB	D	3-5	TH	111	AERO LAB B

A A E 291 SEMINAR.
PREREQUISITE--SENIOR STANDING.
1 HOUR

00180	DISC	A	9	TU	203	T B
00181	DISC	B	9	TH	203	T B
00182	DISC	C	10	TH	203	T B
00183	DISC	D	11	TH	203	T B

A A E 292 SEMINAR.
PREREQUISITE--SENIOR STANDING.
1 HOUR

00184	DISC	A	10	TU	203	T B
00185	DISC	B	11	TU	203	T B

A A E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS

00186	CONF	&A	ARR

A A E 297 HONORS SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS

00187	CONF	&A	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

A A E 306 FOUNDATIONS OF MECHANICS AND GRAVITATIONAL THEORY.
SAME AS ASTR. 306.
PREREQUISITE--MATH. 142 OR 143.
3 HOURS, OR 1 UNIT

00188	LECT-DISC	A	11	M	W	F	214	T	B	

A A E 391 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS, OR 1/2 OR 1 UNIT

00189	LECT-DISC	A	ARR							

COURSES FOR GRADUATES

A A E 411 ADVANCED AERODYNAMICS OF COMPRESSIBLE FLUIDS.
1 UNIT

00190	LECT-DISC	A	9	M	W	F	203	T	B	ORMSBEE

A A E 415 WING THEORY.
PREREQUISITE--MATH 346 OR EQUIVALENT.
1 UNIT

00191	LECT-DISC	A	11	M	W	F	105	T	B	ORMSBEE

A A E 426 THEORY OF CONTINUOUS MEDIA.
PREREQUISITE-CONSENT OF INSTRUCTOR.
1 UNIT

00192	LECT-DISC	A	8	M	W	F	203	T	B	HILTON

A A E 428 THEORY OF LARGE DEFORMATIONS IN NONLINEAR CONTINUOUS MEDIA.
PREREQUISITE--A A E 426 OR EQUIVALENT.
1 UNIT

00193	LECT-DISC	A	10	M	W	F	203	T	B	HILTON

A A E 434 AERODYNAMIC HEATING.
PREREQUISITE--A A E 216 AND 232, OR EQUIVALENT.
1 UNIT

00194	LECT-DISC	A	1	M	W	F	103	T	B	YEN

A A E 438 FUNDAMENTALS OF COMBUSTION.
SAME AS M. E. 403.
PREREQUISITE--A A E 216 OR M E 305.
1 UNIT

00195	LECT-DISC	A	10	M	W	F	204	T	B	STREHLOW

A A E 451 AEROELASTICITY AND AEROINELASTICITY.
PREREQUISITE--A A E 250 OR CONSENT OF INSTRUCTOR.
1 UNIT

00196	LECT-DISC	A	3	M	W	F	214	T	B	LIN

A A E 490 SEMINAR.
PREREQUISITE--GRADUATE STANDING IN AERONAUTICAL AND
ASTRONAUTICAL ENGINEERING.
NO CREDIT

00197	CONF	A	4			F	103	T	B	HILTON

A A E 493 SPECIAL PROBLEMS.
1 OR 2 UNITS

00198	CONF	A	ARR							

A A E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

00199	CONF	A	ARR							

AGRICULTURAL ECONOMICS

DEPARTMENT OFFICE 305 M H

COURSES FOR UNDERGRADUATES

AG EC 100 INTRODUCTORY AGRICULTURAL ECONOMICS.
•NO CREDIT FOR JUNIORS AND SENIORS.
•3 HOURS

00200	LECT		10		W		135	A S L		KELLY
00201	DISC	C1	10	M		F	316S	M H		KELLY
00202	DISC	C2	10	M		F	135	A S L		BUDDEMEIER
00203	DISC	L1	10		TU TH		316S	M H		KELLY
00204	DISC	P	2		TU TH		153	A S L		ROUSH

COURSES FOR ADVANCED UNDERGRADUATES

AG EC 200 PROBLEMS IN AGRICULTURAL ECONOMICS.
PREREQUISITE--MINIMUM GRADE-POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE AND/OR THIRD SPECIAL PROBLEM COURSE IN ADVANCE OF REGISTRATION. OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.
3 TO 5 HOURS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--
A--AGRICULTURAL MARKETING
BARTLETT, BRINEGAR, BROADBENT, HIERONYMUS
JUDGE, KELLY, MUTTI, ROUSH, SCHMIDT,
B--AGRICULTURAL PRICES AND STATISTICAL ANALYSIS
JUDGE, WEST
C--FARM MANAGEMENT AND LAND ECONOMICS
BAKER, BUDDEMEIER, DOVRING, HEADLEY, HERBST,
HOLCOMB, REISS, SWANSON, WILLS
D-RURAL ORGANIZATION FOLSE, LINDSTROM
E-AGRICULTURAL LAW HANNAH, KRAUSZ
F-AGRICULTURAL POLICY HALCROW, SCHMIDT, SPITZE
G--AGRICULTURAL FINANCE BAKER, HOLCOMB, SPITZE

00205	CONF		ARR							

AG EC 203 FARM TAXATION.
2 HOURS

00206	LECT-DISC	M	2		TU TH		313	M H		KRAUSZ

AG EC 218 LAND ECONOMICS.
PREREQUISITE--ECON. 102 OR 108.
3 HOURS

00207	LECT-DISC	F	2	M	W	F	313	M H		DOVRING

AG EC 220 FARM MANAGEMENT.
PREREQUISITE--AG. EC. 100 OR ECON. 108.
FIELD TRIPS, ESTIMATED EXPENSE, $3.
3 HOURS

00208	LECT-DISC	A1	8	M	W	F	405	M H		HOLCOMB
00209	LECT-DISC	A2	8	M	W	F	442	M H		HERBST
00210	LECT-DISC	C	10	M	W	F	320	M H		VAN ARSDALL
00211	LECT-DISC	J	8		TU		316S	M H		HERBST
		J	8-10			TH	316S	M H		

AG EC 230 MARKETING OF AGRICULTURAL PRODUCTS.
FIELD TRIP, ESTIMATED EXPENSE, $3.
3 HOURS

00212	LECT-DISC	F	2	M	W	F	320	M H		ROUSH
00213	LECT-DISC	G	3	M	W	F	320	M H		ROUSH

AG EC 273 RECREATION IN RURAL AREAS.
SAME AS REC. 273.
PREREQUISITE--REC. 176 OR SOC. 100, OR R. SOC. 117.
FIELD TRIPS, ESTIMATED EXPENSE,$5.
2 HOURS

00214	LECT-DISC G	4	TU TH	316S M H		MUNSON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AG EC 302 FINANCING AGRICULTURE.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 3/4 OR 1 UNIT

00215	LECT-DISC	10	M W F	405 M H		BAKER

AG EC 303 AGRICULTURAL LAW.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

00216	LECT-DISC D	11	M W F	405 M H		HANNAH

AG EC 305 AGRICULTURAL POLICIES AND PROGRAMS.
PREREQUISITE--ECON. 108.
FIELD TRIP, ESTIMATED EXPENSE, $5.
3 HOURS, OR 3/4 OR 1 UNIT

00217	LECT-DISC B	9	M W F	316S M H		SPITZE

AG EC 325 ADVANCED FARM MANAGEMENT.
PREREQUISITE--AG. EC. 220.
FIELD TRIPS, ESTIMATED EXPENSE, $10.
3 HOURS, OR 3/4 OR 1 UNIT

00218	LECT-DISC D	11	M W F	320 M H		HEADLEY
00219	LECT-DISC F	2	M W F	316S M H		HEADLEY

AG EC 331 GRAIN MARKETING.
SAME AS MKTG. 331.
PREREQUISITE--AG. EC. 230 OR MKTG. 101.
FIELD TRIPS, ESTIMATED EXPENSE, $10.
3 HOURS, OR 3/4 OR 1 UNIT

00220	LECT-DISC P	2-4	TU TH	320 M H		HIERONYMUS

AG EC 335 ECONOMICS OF FOOD DISTRIBUTION.
SAME AS HORT. AND MKTG. 335.
PREREQUISITE--ECON. 108, AG. EC. 230 OR MKTG. 101.
3 HOURS, OR 3/4 OR 1 UNIT

00221	LECT-DISC E	1	M W F	316S M H		KELLY

AG EC 341 AGRICULTURAL STATISTICS.
3 HOURS, OR 1/2 UNIT

00222	LECT-DISC B	9	M W F	405 M H		WEST

AG EC 370 FAMILY ECONOMICS.
SAME AS H. EC. 370.
PREREQUISITE--ECON. 102 OR 108, A COURSE IN APPLIED STATISTICS, SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

00223	LECT	3-430	TU TH	242 BEV HALL		DUNSING

COURSES FOR GRADUATES

AG EC 405 ECONOMIC POLICIES AND PROGRAMS AFFECTING AGRICULTURE.
PREREQUISITE--ONE SEMESTER OF GRADUATE WORK OR CONSENT OF INSTRUCTOR.
1 UNIT

00224	LECT-DISC	9-11	TU	405 M H		HALCROW AND
		9	TH	405 M H		SCHMIDT

AG EC 406 RESEARCH METHODOLOGY IN AGRICULTURAL ECONOMICS.
PREREQUISITE--ECON. 400 OR 401, OR A COURSE OF COMPARABLE LEVEL IN THE BASIC FIELD RELATED TO THE STUDENTS RESEARCH.
1 UNIT

00225	LECT-DISC	1-3	TU TH	316S M H		BAKER

AG EC 415 LAND ECONOMICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00226 LECT-DISC 2 M F 313 M H DOVRING

AG EC 425 FARM MANAGEMENT PRINCIPLES.
FIELD TRIP, ESTIMATED EXPENSE, $8.
1 UNIT
00227 LECT-DISC 4 TU TH 405 M H BUCDEMEIER

AG EC 441 AGRICULTURAL STATISTICS.
PREREQUISITE--AN ELEMENTARY COURSE IN STATISTICS.
1 UNIT
00228 LECT-DISC 11 M W F 316S M H WEST

AG EC 491 SEMINAR AND SPECIAL TOPICS.
EACH GRADUATE STUDENT WHOSE MAJOR IS AGRICULTURAL ECONOMICS MUST
REGISTER IN THIS COURSE.
*ONLY STUDENTS WHO REGISTER FOR CREDIT AND COMPLETE SPECIAL STUDIES
UNDER DIRECTION OF ONE OR MORE STAFF MEMBERS WILL RECEIVE CREDIT.
*0 TO 2 UNITS
*SECTION A IS FOR FIRST-YEAR GRADUATE STUDENTS.
*SECTION B IS FOR SECOND-YEAR GRADUATE STUDENTS.
00229 LECT-DISC *A 3-5 TU 405 M H STAFF
00230 LECT-DISC *B 3-5 TU 405 M H STAFF

AG EC 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
00231 CONF ARR

RURAL SOCIOLOGY
DEPARTMENT OF AGRICULTURAL ECONOMICS

COURSES FOR UNDERGRADUATES

R SOC 117 INTRODUCTION TO RURAL SOCIOLOGY.
*NO CREDIT TO STUDENTS WITH CREDIT IN SOC. 100.
*3 HOURS
00232 LECT-DISC B 9 M W F 320 M H FULSE

COURSES FOR GRADUATES

R SOC 407 POPULATION STUDIES AND DEMOGRAPHIC ANALYSIS.
SAME AS SOC. 407.
PREREQUISITE--TWELVE HOURS OF SOCIAL SCIENCE AND INTRODUCTORY
STATISTICS OR MAJOR IN SOCIOLOGY, OR CONSENT OF INSTRUCTOR.
1 UNIT
00233 LECT-DISC 2-4 W 405 M H FOLSE

R SOC 487 SPECIAL PROBLEMS IN RURAL SOCIOLOGY.
SAME AS SOC. 487.
PREREQUISITE--ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY,
CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
00234 CONF ARR STAFF

AGRICULTURAL ENGINEERING

DEPARTMENT OFFICE 206 AGR ENG

NOTE COURSES IN AGRICULTURAL ENGINEERING FOR NON-ENGINEERING
STUDENTS ARE 100, 111, 200, 201, 221, 231, 281, AND 300,
COURSES FOR ENGINEERING STUDENTS ARE 146, 236, 277, 287, 298
346, 357 AND 396.

COURSES FOR UNDERGRADUATES

AG E 100 ENGINEERING APPLICATIONS IN AGRICULTURE.
PREREQUISITE--MATH. 111, 112, 104 OR EQUIVALENT.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
•3 HOURS

00235	LECT		10	M	201	AGR ENG	OLVER
00236	LAB-DISC	1	10-12	W F	132	AGR ENG	
00237	LAB-DISC	2	1-3	TU TH	132	AGR ENG	

AG E 111 FARM STRUCTURES AND SOIL AND WATER CONSERVATION.
PREREQUISITE--SOPHOMORE STANDING, ENROLLMENT IN A TEACHER TRAINING OR AGRICULTURAL EXTENSION CURRICULUM, OR CONSENT OF INSTRUCTOR.
•CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN AG. E. 252 OR 272.
•3 HOURS

00238	LECT		2	M	201	AGR ENG	DAY
00239	LAB-DISC	1	1-3	W F	202	AGR ENG	
00240	LAB-DISC	2	10-12	TU TH	202	AGR ENG	

AG E 146 FARM TRACTORS.
PREREQUISITE--SOPHOMORE STANDING IN ENGINEERING.
2 HOURS

00241	LECT		8	TU TH	132	AGR ENG	BUTLER
00242	LAB	1	10-12	TU	132	AGR ENG	
00243	LAB	2	10-12	TH	132	AGR ENG	

COURSES FOR ADVANCED UNDERGRADUATES

AG E 200 FARM SHOP--CARPENTRY AND CONSTRUCTION.
PREREQUISITE--AG. E. 111 AND ENROLLMENT IN A TEACHER-TRAINING CURRICULUM, OR CONSENT OF INSTRUCTOR.
3 HOURS

00244	LECT		3	F	218	AGR ENG	ESPENSCHIED
00244	LAB		3-5	M W	VOC AGR SHOP		

AG E 201 FARM SHOP--ELECTRICAL AND METAL WORK.
PREREQUISITE--AG. E. 112 AND ENROLLMENT IN A TEACHER-TRAINING CURRICULUM, OR CONSENT OF INSTRUCTOR.
3 HOURS

00245	LAB	1	1-3	MTU THF	VOC AGR SHOP		ESPENSCHIED

AG E 221 FARM POWER AND MACHINERY MANAGEMENT.
PREREQUISITE--AG. E. 100.
•CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN AG. E. 112.
•4 HOURS

00246	LECT-DISC		9	M W F	132	AGR ENG	PERSHING
00247	LAB	1	3-5	TH	132	AGR ENG	

AG E 231 FARM MACHINERY MECHANISMS.
PREREQUISITE--AG. E. 221.
3 HOURS

00248	LECT-DISC		1	W F	132	AGR ENG	HUNT
00248	LAB		1-3	M	132	AGR ENG	

AG E 236 FARM MACHINE CHARACTERISTICS AND MECHANISMS.
PREREQUISITE--CREDIT OR REGISTRATION IN T A M 211.
2 HOURS

00249	LECT		3-5	M	201	AGR ENG	BATEMAN
00250	LAB	1	3-5	W	MACHINE LAB		
00251	LAB	2	3-5	F	MACHINE LAB		

AG E 277 DESIGN OF CONCRETE AND STEEL STRUCTURES FOR AGRICULTURE.
PREREQUISITE--C. E. 261.
3 HOURS

00252	LECT		1	M W	218	AGR ENG	CURTIS
00252	LAB		1-3	TU	202	AGR ENG	

AG E 281 ELECTRIC POWER FOR THE FARM.
PREREQUISITE--AG. E. 100 OR EQUIVALENT.
3 HOURS

00253	LECT		9	M W	218	AGR ENG	DAY
00254	LAB	1	8-10	F	221	AGR ENG	
00255	LAB	2	3-5	TH	221	AGR ENG	

AG E 287 ELECTRICITY IN AGRICULTURE--ADVANCED COURSE.
PREREQUISITE--AG. E. 286.
3 HOURS

00256	LECT	9	TU TH	218	AGR ENG	SHOVE
00256	LAB	1-3	TH	221	AGR ENG	

AG E 298 INSPECTION TRIP.
REQUIRED OF AGRICULTURAL ENGINEERING SENIORS.
NO CREDIT

00257	CONF	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AG E 300 SPECIAL PROBLEMS.
PREREQUISITE--NONENGINEERING STUDENT, MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND SPECIAL PROBLEMS COURSE.
3 HOURS, OR 1/2 UNIT

00258	CONF	ARR	STAFF

AG E 346 FARM POWER.
PREREQUISITE--M. E. 209.
3 HOURS, OR 1/2 UNIT

00259	LECT-DISC	4	M F	218	AGR ENG	WEBER
00259	LAB	3-6	W	TRACTOR LAB		

AG E 357 LAND DRAINAGE.
PREREQUISITE--T A M 235.
3 HOURS, OR 1/2 UNIT

00260	LECT-DISC	11	W F	218	AGR ENG	JONES
00260	LAB	2-5	TH	202	AGR ENG	

AG E 396 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN ENGINEERING.
3 HOURS, OR 1/2 UNIT

00261	CONF	ARR	LANHAM & STAFF

COURSES FOR GRADUATES

AG E 400 RESEARCH ORIENTATION.
NO CREDIT

00262	LECT-DISC	ARR	GRADUATE STAFF

AG E 496 PROBLEMS IN AGRICULTURAL ENGINEERING.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1 UNIT

00263	LECT-DISC	ARR	GRADUATE STAFF

AG E 499 THESIS RESEARCH.
1 TO 2 UNITS

00264	CONF	ARR	GRADUATE STAFF

AGRICULTURE

COURSES FOR UNDERGRADUATES

AGR 100 LECTURES FOR FRESHMEN IN AGRICULTURE.
REQUIRED OF ALL FRESHMEN IN AGRICULTURE.
NO CREDIT

00265	LECT-DISC	1	TU	135	A S L	GARDNER

AGR 114 AGRICULTURAL JOURNALISM.
SAME AS JOURN. 114.
3 HOURS

00266	LECT-DISC		10	TU TH	442	M H		EVANS
00267	LAB	1	1	TH	442	M H		
00268	LAB	2	2	TH	442	M H		
00269	LAB	3	3	TH	442	M H		

COURSES FOR ADVANCED UNDERGRADUATES

AGR 290 HONORS SEMINAR--THE FAMILY AND ISSUES IN SOCIETY.
SAME AS H. EC. 290.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, OR RELATED SCIENCES.
2 HOURS

00270	LECT-DISC	&A	1-3	TH	449	BEV HALL		CLARK MILLS

AGRONOMY

DEPARTMENT OFFICE 201 T H

COURSES FOR UNDERGRADUATES

AGRON 101 INTRODUCTORY SOILS.
PREREQUISITE--CHEM. 101, 102, OR 111, CREDIT OR REGISTRATION IN GEOL. 105.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00271	LECT		10	M W F	W109	T H		SABEY
00272	LAB	1	1-4	TU	W 1	T H		
00273	LAB	2	1-4	W	W 1	T H		
00274	LAB	3	1-4	TH	W 1	T H		
00275	LAB	4	1-4	F	W 1	T H		

AGRON 110 PLANT AND ANIMAL GENETICS.
SAME AS AN. S., D. S., AND HORT. 110.
PREREQUISITE--BOT. 100, ZOOL. 104.
3 HOURS
*FOR VETERINARY MEDICINE STUDENTS ONLY.

00276	LECT		2	M W	135	A S L		D E ALEXANDER
00277	LAB	1	1-3	TU	W 23	T H		AND OTHERS
00278	LAB	2	3-5	TU	W 23	T H		
00279	LAB	3	1-3	TH	W 23	T H		
00280	LAB	*4	3-5	M	W 23	T H		
00281	LAB	*5	3-5	F	W 23	T H		

AGRON 121 PRINCIPLES OF FIELD CROP SCIENCE.
PREREQUISITE--BOT. 100.
FIELD TRIP. ESTIMATED EXPENSE, $5.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00282	LECT		8	M W F	W109	T H		BURGER
00283	LAB	1	10-12	TU	W 23	T H		AND STAFF
00284	LAB	2	1-3	W	W 23	T H		
00285	LAB	3	3-5	W	W 23	T H		
00286	LAB	4	10-12	TH	W 23	T H		

COURSES FOR ADVANCED UNDERGRADUATES

AGRON 204 INTRODUCTORY PLANT PATHOLOGY.
SAME AS PL. PA. 204.
PREREQUISITE--BOT. 100, JUNIOR STANDING.
3 HOURS

00287	LAB-DISC		10-12	TU TH	W121	T H		BEVER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AGRON 300 ADVANCED SPECIAL PROBLEMS.
PREREQUISITE--MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEMS COURSE.
*CREDIT IS NOT GIVEN TO GRADUATE STUDENTS MAJORING IN AGRONOMY.
*3 TO 5 HOURS, OR 1/2 TO 2 UNITS

00288	LAB-DISC	ARR						STAFF

AGRON 303 SOIL FERTILITY.
PREREQUISITE--AGRON. 101.
*CREDIT IS NOT GIVEN FOR AGRON. 303 AND AGRON. 309 AND 310. CREDIT IS NOT GIVEN TOWARD PH.D. FOR MAJOR OR SOLE MINOR IN AGRONOMY-SOILS.
*3 HOURS, OR 1/2 UNIT

00289	LECT	9	M	W	F	W115	T H	KURTZ

AGRON 309 INTERMEDIATE SOIL SCIENCE, I.
PREREQUISITE--AGRON. 101, CHEM. 122 AND 133, PHYCS. 101 AND 102, BOT. 100, 230, AND 231, GEOL. 105, MCBIO. 100 AND 101, CREDIT OR REGISTRATION IN MATH. 132 OR 133.
*CREDIT IS NOT GIVEN FOR AGRON. 309 AND AGRON. 303 AND 304.
*5 HOURS, OR 1 UNIT

00290	LECT	11	M	TUWTH		W115	T H	MELSTED AND
00290	LAB	1-4		TH		W215	T H	OTHERS

AGRON 321 ECOLOGICAL AND PHYSIOLOGICAL FACTORS AFFECTING CROP PRODUCTION.
PREREQUISITE--BOT. 100, CHEM. 132 OR 133.
4 HOURS, OR 3/4 UNIT

00291	LECT-DISC	8	M	W	FS	W115	T H	HANSON

AGRON 323 PRINCIPLES OF PLANT BREEDING.
SAME AS HORT. 323.
PREREQUISITE--BOT. 100, AGRON. 110 OR EQUIVALENT.
4 HOURS, OR 1 UNIT

00292	LECT-DISC	10	M	W	F	W115	T H	HADLEY, HITTLE,
00292	LAB	1-3		TH		W121	T H	THOMPSON

AGRON 326 WEEDS AND THEIR CONTROL.
FIELD TRIP, ESTIMATED EXPENSE, $5.
3 HOURS, OR 1/2 UNIT

00293	LECT-DISC	8-10		TU	TH	W115	T H	SLIFE

AGRON 365 DIGITAL COMPUTER METHODS FOR STATISTICAL DATA PROCESSING.
SAME AS MATH. 365.
PREREQUISITE--MATH. 195 AND A COURSE IN STATISTICS OR STATISTICAL METHODS, OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

00294	LECT	11	M	W	F	N107	T H	CARMER

COURSES FOR GRADUATES

AGRON 400 SEMINAR.
REQUIRED OF ALL GRADUATE MAJORS IN AGRONOMY.
PREREQUISITE--GRADUATE STANDING.
NO CREDIT

00295	DISC	4		TU		W209	T H	BROWN AND SABEY

AGRON 411 SOIL PHYSICS.
PREREQUISITE--CHEM. 340 AND 341, OR EQUIVALENT.
1 UNIT

00296	LECT-DISC	10	M	W	F	N107	T H	KLUTE

AGRON 429 THE EVOLUTION OF AGRICULTURAL ECONOMIES.
SAME AS ANTH. AND GEOG. 429.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00297	LECT-DISC	2-4	M			219	D H	LATHRAP C S ALEXANDER LENG

AGRON 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, I.
SAME AS AN. S., D.S., HORT., AND V.M.S. 440.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00298	LECT		9	M	W F	W109	T H		JACOB
00299	LAB	A	1-3	M		N107	T H		
00300	LAB	B	3-5	M		N107	T H		
00301	LAB	C	1-3		TU	N107	T H		
00302	LAB	D	3-5		TU	N107	T H		

AGRON 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK TO BE TAKEN IN THE FOLLOWING SUBJECTS--
A--SOILS ALDRICH, BEAVERS, BRAY, FEHRENBACHER, GIESEKING, KLUTE, KURTZ, LANG, MELSTED, ODELL, PETERS, RUSSELL, SABEY, STEVENSON, AND TYNER
B--CROPS ALEXANDER, BONNET, BROWN, BURGER, EARLEY, GERDEMANN, HADLEY, HAGEMAN, HANSON, HITTLE, HOOKER, HOWELL, JACKOBS, JACOB, LAUGHNAN LENG, PATTERSON, PENDLETON, SEIF, SLIFE, WEIBEL, WILSON, AND WOOLLEY.

00303	LAB-DISC		ARR						STAFF

AIR FORCE SCIENCE

DEPARTMENT OFFICE 222 ARMORY

COURSES FOR UNDERGRADUATES

A F S 100 AIR FORCE SCIENCE LEADERSHIP LABORATORY.
REQUIRED OF ALL BASIC AND ADVANCED STUDENTS IN CONJUNCTION WITH THEORY COURSES.
NO CREDIT
•CONSENT OF PROFESSOR OF AIR SCIENCE

00304	LAB	A	2	M		ARMORY	FLOOR
00305	LAB	B	9		TU	ARMORY	FLOOR
00306	LAB	C	2		TU	ARMORY	FLOOR
00307	LAB	D	9		W	ARMORY	FLOOR
00308	LAB	E	11		TH	ARMORY	FLOOR
00309	LAB	F	1		TH	ARMORY	FLOOR
00310	LAB	•G	730PM		W	ARMORY	FLOOR

ATTENDANCE AT PARADES AND CEREMONIES IS REQUIRED OF BASIC AND ADVANCED STUDENTS.

A F S 111 FRESHMAN THEORY AND LEADERSHIP LABORATORY.
PREREQUISITE--CITIZEN OF THE UNITED STATES, PHYSICALLY FIT, REGISTRATION IN A.F.S. 100.
1 HOUR

00311	LECT-DISC	1	8	M	W	148	ARMORY
00312	LECT-DISC	2	8	M	W	152	ARMORY
00313	LECT-DISC	3	8	M	W	153	ARMORY
00314	LECT-DISC	4	9	M	W	152	ARMORY
00315	LECT-DISC	5	9	M	W	153	ARMORY
00316	LECT-DISC	6	10	M	W	152	ARMORY
00317	LECT-DISC	7	10	M	W	153	ARMORY
00318	LECT-DISC	8	11	M	W	148	ARMORY
00319	LECT-DISC	9	11	M	W	152	ARMORY
00320	LECT-DISC	10	11	M	W	153	ARMORY
00321	LECT-DISC	11	1	M	W	152	ARMORY
00322	LECT-DISC	12	1	M	W	153	ARMORY
00323	LECT-DISC	13	2	M	W	152	ARMORY
00324	LECT-DISC	14	2	M	W	153	ARMORY
00325	LECT-DISC	15	3	M	W	152	ARMORY
00326	LECT-DISC	16	3	M	W	153	ARMORY
00327	LECT-DISC	17	8		TU TH	148	ARMORY
00328	LECT-DISC	18	8		TU TH	152	ARMORY
00329	LECT-DISC	19	8		TU TH	153	ARMORY
00330	LECT-DISC	20	9		TU TH	152	ARMORY

A F S111 CONTINUED

00331	LECT-DISC	21	9	TU TH	153	ARMORY
00332	LECT-DISC	22	10	TU TH	148	ARMORY
00333	LECT-DISC	23	10	TU TH	152	ARMORY
00334	LECT-DISC	24	10	TU TH	153	ARMORY
00335	LECT-DISC	25	11	TU TH	152	ARMORY
00336	LECT-DISC	26	11	TU TH	153	ARMORY
00337	LECT-DISC	27	1	TU TH	152	ARMORY
00338	LECT-DISC	28	1	TU TH	153	ARMORY
00339	LECT-DISC	29	2	TU TH	152	ARMORY
00340	LECT-DISC	30	2	TU TH	153	ARMORY
00341	LECT-DISC	31	3	TU TH	152	ARMORY
00342	LECT-DISC	32	3	TU TH	153	ARMORY

A F S 113 AEROSPACE WEAPONS SYSTEMS, I.
PREREQUISITE--A.F.S. 111 AND 112, REGISTRATION IN A.F.S. 100.
1 HOUR

00343	LECT-DISC	50	8	M W	151	ARMORY
00344	LECT-DISC	51	9	M W	151	ARMORY
00345	LECT-DISC	52	10	M W	148	ARMORY
00346	LECT-DISC	53	10	M W	151	ARMORY
00347	LECT-DISC	54	11	M W	151	ARMORY
00348	LECT-DISC	55	1	M W	151	ARMORY
00349	LECT-DISC	56	1	M W	148	ARMORY
00350	LECT-DISC	58	3	M W	151	ARMORY
00351	LECT-DISC	59	3	M W	148	ARMORY
00352	LECT-DISC	60	8	TU TH	151	ARMORY
00353	LECT-DISC	62	9	TU TH	151	ARMORY
00354	LECT-DISC	63	10	TU TH	151	ARMORY
00355	LECT-DISC	65	11	TU TH	148	ARMORY
00356	LECT-DISC	66	1	TU TH	151	ARMORY
00357	LECT-DISC	67	2	TU TH	148	ARMORY
00358	LECT-DISC	68	2	TU TH	151	ARMORY
00359	LECT-DISC	69	3	TU TH	151	ARMORY

NOTICE TO AIR FORCE SCIENCE II STUDENTS--THE AIR FORCE OFFICER QUALIFYING TESTS ARE REQUIRED TO BE ADMINISTERED TO ALL AIR FORCE SCIENCE II STUDENTS WHO INTEND TO APPLY FOR THE ADVANCED PROGRAM. DATES AND TIMES FOR ADMINISTERING THE TEST ARE ANNOUNCED IN THEORY CLASS.

A F S 114 AEROSPACE WEAPONS SYSTEMS, II.
PREREQUISITE--A.F.S. 111, 112, AND 113, REGISTRATION IN A.F.S. 100.
1 HOUR

00360	LECT-DISC	57	2	M W	151	ARMORY
00361	LECT-DISC	61	9	TU TH	148	ARMORY
00362	LECT-DISC	64	11	TU TH	151	ARMORY

COURSES FOR ADVANCED UNDERGRADUATES

THE FOLLOWING AIR FORCE SCIENCE COURSES MAY BE TAKEN UPON APPLICATION BY STUDENTS WHO MEET THE REQUIRED STANDARDS. COMMISSIONS IN THE AIR FORCE RESERVE ARE AWARDED THOSE STUDENTS WHO SATISFACTORILY COMPLETE THE ADVANCED COURSES AND WHO COMPLETE THE ACADEMIC REQUIREMENTS FOR A DEGREE SUBJECT TO ALLOCATIONS OF COMMISSIONS TO BE MADE BY AIR FORCE R.O.T.C. STUDENTS ARE PAID A SUBSISTENCE ALLOWANCE, ARE FURNISHED A UNIFORM, AND ARE REQUIRED TO ATTEND A SUMMER ENCAMPMENT BETWEEN THE FIRST AND SECOND YEARS OF THE ADVANCED COURSE.

ADVANCED AIR FORCE R.O.T.C. COURSES REQUIRE FIVE HOURS OF INSTRUCTION A WEEK. THE ADVANCED STUDENT MUST REGISTER FOR ONE THEORY SECTION AND ONE LEADERSHIP LABORATORY SECTION--A.F.S. 100. GENERAL PREREQUISITE--SUCCESSFUL COMPLETION OF THE BASIC AIR FORCE R.O.T.C. COURSE OR EQUIVALENT TRAINING AS APPROVED BY THE PROFESSOR OF AIR SCIENCE, PASS OFFICERS TYPE PHYSICAL EXAMINATION, ACHIEVE SATISFACTORY SCORES ON THE AIR FORCE OFFICERS QUALIFICATION TEST, AND ACCEPTANCE BY A BOARD OF AIR FORCE OFFICERS.

A F S 211 AIR FORCE OFFICER DEVELOPMENT, I.
PREREQUISITE--BASIC AFROTC OR CONSENT OF PROFESSOR OF AIR SCIENCE.
3 HOURS
*STUDY HOUR TO BE ARRANGED.

00363	LECT-DISC	A	8-10	TU TH	150	ARMORY
00364	LECT-DISC	B	*1	MTUW	150	ARMORY
00365	LECT-DISC	C	*2	MTUW	150	ARMORY
00366	LECT-DISC	D	*9	M W F	150	ARMORY
00367	LECT-DISC	E	*10	M W F	150	ARMORY
00368	LECT-DISC	F	*11	M W F	150	ARMORY
00369	LECT-DISC	G	ARR		150	ARMORY

A F S 213 SENIOR THEORY AND LEADERSHIP LABORATORY--GLOBAL RELATIONS.
PREREQUISITE--A.F.S. 211 AND 212.
3 HOURS

00370	LECT-DISC	A	9	M W F	154	ARMORY
00371	LECT-DISC	B	10	M W F	154	ARMORY
00372	LECT-DISC	C	11	M W F	154	ARMORY
00373	LECT-DISC	D	1	M W F	154	ARMORY
00374	LECT-DISC	E	2	M W F	154	ARMORY
00375	LECT-DISC	F	3	M W F	154	ARMORY
00376	LECT-DISC	G	ARR		349	ARMORY

AMERICAN CIVILIZATION

MAJOR--STUDENTS WHO ELECT AMERICAN CIVILIZATION AS A MAJOR MUST COMPLETE FORTY SEMESTER HOURS--WHICH SATISFIES BOTH MAJOR AND MINOR REQUIREMENTS FOR GRADUATION--IN COURSES INDICATED BELOW, AT LEAST TWENTY HOURS BEING IN COURSES NUMBERED 300 OR ABOVE. THEY ARE REQUIRED TO MAINTAIN A 3.0 GENERAL AVERAGE AT ALL TIMES, THAT IS, WHEN THE AVERAGE DROPS BELOW THAT LEVEL THE STUDENT SHALL DROP FROM THIS MAJOR. SPECIFICALLY REQUIRED ARE--

1-ENGL. 255-256, HIST. 151-152, AND EITHER ART 317 OR PHIL. 313--A TOTAL OF FIFTEEN HOURS. EQUIVALENT OR MORE ADVANCED COURSES MAY BE SUBSTITUTED PROVIDED THAT, TAKEN TOGETHER, THEY CONSTITUTE COMPREHENSIVE SURVEYS OF THE THREE FIELDS OF AMERICAN HISTORY, AMERICAN LITERATURE, AND EITHER AMERICAN ART OR AMERICAN PHILOSOPHY. APPROVAL FOR ANY SUCH SUBSTITUTION MUST BE REQUESTED BY A PETITION TO THE DEAN BEARING THE RECOMMENDATION OF THE ADVISER FOR THE CURRICULUM.

2-AT LEAST SIX HOURS OF ADVANCED WORK IN ENGLISH AND AT LEAST SIX HOURS OF ADVANCED WORK IN HISTORY, CHOSEN FROM THE FOLLOWING COURSES ALL OF WHICH ARE IN THE AMERICAN FIELD--ENGL. 144, 285-286, 315-316, 318, 352, 353-354, 375-376, HIST. 335-336, 352, 354, 357-358, 359, 361-362, 363-364, 369-370, 371-372, 373-374. SPEECH 366 MAY BE SUBSTITUTED FOR ENGL. 315-316.

3-AT LEAST SIX HOURS FROM THE FOLLOWING COURSES--ARCH. 215-216, ECON 336, ED. 302, GEOG. 221-222, POL. SCI. 150-151, 351, 381, 397, SPCH. 312, OR COURSES LISTED IN THE PRECEDING PARAGRAPHS, IF NOT COUNTED TOWARD THE REQUIREMENTS THEREUNDER.

4-AT LEAST SIX ADDITIONAL HOURS IN ONE OF THE FOLLOWING DEPARTMENTS-ART, ENGLISH, HISTORY, PHILOSOPHY, OR POLITICAL SCIENCE--CHOSEN FROM COURSES WHICH DEAL WITH NON-AMERICAN ASPECTS OF THE SUBJECT BUT WHICH ARE CLOSELY RELATED TO SPECIFIC COURSES SELECTED UNDER THE PRECEDING REQUIREMENTS, SUCH AS, FOR EXAMPLE, A COURSE DEALING WITH THE SAME PERIOD IN EUROPEAN HISTORY OR IN ENGLISH LITERATURE.

THE COMMITTEE IN CHARGE OF THE CURRICULUM ADVISES EACH STUDENT CONCERNING THESE ADDITIONAL HOURS, ASSUMES RESPONSIBILITY FOR THE STUDENTS REGISTRATION IN THE PROPER COURSES, AND FILES A RECORD OF THE STUDENTS REGISTRATION INDICATING THE SPECIFIC COURSES APPROVED AS SATISFYING THIS REQUIREMENT IN THE OFFICE OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES.

ADVISER--CHAIRMAN OF THE COMMITTEE IN CHARGE--PROFESSOR ROBERT W. JOHANNSEN, 359 ARMORY.

MINORS--THIS CURRICULUM HAS BEEN APPROVED AS A MINOR FOR STUDENTS MAJORING IN GEOGRAPHY, HISTORY, POLITICAL SCIENCE, AND SPEECH. A SPLIT MINOR IS NOT AUTHORIZED. NO COURSE COUNTED TOWARD THE STUDENTS MAJOR MAY BE COUNTED TOWARD THE MINOR. THE MINOR CONSISTS OF AT LEAST TWENTY SEMESTER HOURS, INCLUDING THE REQUIRED COURSES HIST. 151-152 AND ENGL. 255-256, AND IN ADDITION--

1-AT LEAST THREE HOURS FROM COURSES LISTED UNDER -2- OF THE REQUIREMENTS FOR THE MAJOR IN AMERICAN CIVILIZATION, EXCLUDING THOSE NUMBERED UNDER 300 AND THOSE IN THE DEPARTMENT IN WHICH THE STUDENT IS MAJORING.

2-THE REMAINDER, IF ANY, CHOSEN FROM COURSES LISTED UNDER -1- AND -3- OF THE REQUIREMENTS FOR MAJOR IN AMERICAN CIVILIZATION, EXCLUDING THOSE NUMBERED UNDER 300 AND THOSE IN THE DEPARTMENT IN WHICH THE STUDENT IS MAJORING.

ANIMAL SCIENCE
INCLUDING ANIMAL NUTRITION

ANIMAL SCIENCE
DEPARTMENT OFFICE 328 M H

COURSES FOR UNDERGRADUATES

AN S 100 INTRODUCTION TO ANIMAL SCIENCE.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

00377	LECT		3	M	F	135	A S L			ALBERT
00378	LAB	A	1-3		W	153	A S L			
		A	1-3		W	STOCK	PAVILION			
00379	LAB	B	3-5		W	153	A S L			
		B	3-5		W	STOCK	PAVILION			
00380	LAB	C	3-5		TH	153	A S L			
		C	3-5		TH	STOCK	PAVILION			

AN S 104 SELECTION AND USE OF MEAT.
FIELD TRIPS, ESTIMATED COST $10.
2 HOURS

00381	LECT		9		TH	152	D H			BREIDENSTEIN
00381	LAB		8-10	TU		152	D H			

AN S 110 PLANT AND ANIMAL GENETICS.
SAME AS AGRON., D. S., AND HORT. 110.
PREREQUISITE--BOT. 100, ZOOL. 104.
3 HOURS
*FOR VETERINARY MEDICINE STUDENTS ONLY.

00382	LECT		2	M	W	135	A S L			ALEXANDER AND
00383	LAB	1	1-3	TU		W 23	T H			OTHERS
00384	LAB	2	3-5	TU		W 23	T H			
00385	LAB	3	1-3		TH	W 23	T H			
00386	LAB	*4	3-5	M		W 23	T H			
00387	LAB	*5	3-5		F	W 23	T H			

AN S 120 PRINCIPLES OF ANIMAL NUTRITION.
SAME AS D.S. 120.
REQUIRED FOR A MAJOR IN ANIMAL SCIENCE.
PREREQUISITE--CHEM. 132 OR 133.
3 HOURS

00388	LECT-DISC		8	M	W	F	135	A S L		DRAPER

COURSES FOR ADVANCED UNDERGRADUATES

AN S 200 SPECIAL PROBLEMS.
PREREQUISITE--MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEMS COURSE.
3 TO 5 HOURS

00389	LAB	&	ARR							STAFF

AN S 205 MEAT SELECTION AND CLASSIFICATION.
PREREQUISITE--AN. S. 103, 104, OR 204.
FIELD TRIP, ESTIMATED COST $20.
2 HOURS

00390	LAB	A	3-5	M	W	F	152	D	H	KAUFFMAN
		A	8-12			S	152	D	H	

AN S 207 SELECTION AND GRADING OF POULTRY AND POULTRY PRODUCTS.
PREREQUISITE--AN. S. 103 OR CONSENT OF INSTRUCTOR.
3 HOURS

			ARR				POULTRY FARM			BRAY

AN S 212 ADVANCED LIVESTOCK EVALUATION.
PREREQUISITE--AN. S. 103 AND 202 OR 211.
3 HOURS

00392	LAB		3-5	M	T	U	W	T	H	F	STOCK PAVILION	ZIMMERMAN
			8-12					S			STOCK PAVILION	

AN S 220 FEEDS AND FEEDING.
SAME AS D. S. 220.
PREREQUISITE--AN. S. 120 OR EQUIVALENT.
3 HOURS
*FOR VET. STUDENTS ONLY.

00393	LECT		11	M	W		135	A	S	L	HATFIELD,
00395	LAB	*A	10-12			TH	153	A	S	L	HARSHBARGER
00394	LAB	B	10-12			F	313	M	H		

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AN S 301 BEEF PRODUCTION.
PREREQUISITE--AN.S. 102 OR 220.
3 HOURS, OR 3/4 UNIT

00396	LECT		1	M	W	F	135	A	S	L	NEUMANN

AN S 303 PORK PRODUCTION.
PREREQUISITE--AN.S. 102 OR 220.
3 HOURS, OR 3/4 UNIT

00397	LECT		8	M		F	320	M	H	JENSEN
00398	QUIZ	A	8		W		320	M	H	
00399	QUIZ	B	8		W		316S	M	H	

AN S 304 POULTRY MANAGEMENT.
PREREQUISITE--AN. S. 102 OR 220.
*3 HOURS WITHOUT LABORATORY AND 4 HOURS WITH LABORATORY.
*3 OR 4 HOURS, OR 3/4 UNIT

00400	LECT		9	M			313	M	H	BRAY, SCOTT
00401	DISC	A	9		W	F	313	M	H	
00402	DISC	B	9		W	F	153	A	S	L
00403	LAB		3-5		W		POULTRY FARM			

AN S 330 REPRODUCTION AND ARTIFICIAL INSEMINATION OF FARM ANIMALS.
SAME AS D.S. 330.
PREREQUISITE--ZOOL. 104 AND EITHER D. S. 100 OR AN. S. 100.
3 HOURS, OR 3/4 UNIT, 1/2 UNIT FOR FOUR WEEK SUMMER SESSION

00404	LECT		1	TU	TH		414	A	S	L	LODGE
00404	LAB		2-4	TU			414	A	S	L	

AN S 400 SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 UNIT

00405	LECT-DISC		4	TH	104	AN GEN	DZIUK

AN S 401 PRINCIPLES OF BEEF PRODUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00406	LECT-DISC		ARR				NEUMANN

AN S 404 PRINCIPLES OF POULTRY PRODUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT

00407	LECT-DISC		11	TU TH	320	Y H	SCOTT

AN S 405 ADVANCED ANIMAL GENETICS.
PREREQUISITE--AN. S. 305 OR EQUIVALENT.
1 UNIT

00408	LECT-DISC		9	M W F	104	AN GEN	NORTON

AN S 407 LABORATORY METHODS IN ANIMAL GENETICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
•COMBINED CREDIT IN AN.S. 407 AND 408 MAY NOT EXCEED TWO UNITS.
1/2 TO 1 UNIT

00409	LAB-DISC		ARR				NORTON, RASMUSEN

AN S 408 LABORATORY METHODS IN PHYSIOLOGY OF REPRODUCTION.
SAME AS ZOOL. 408.
PREREQUISITE--CONSENT OF INSTRUCTOR.
•COMBINED CREDIT IN AN.S. 407 AND 408 MAY NOT EXCEED TWO UNITS.
1/2 TO 1 UNIT

00410	LAB		ARR				NALBANDOV, DZIUK

AN S 410 RESEARCH METHODS IN ANIMAL SCIENCE.
PREREQUISITE--CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE 1 UNIT.
•1/4 TO 1 UNIT

00411	CONF		ARR				BECKER, BREIDENSTEIN, GARRIGUS, NEUMANN, SCOTT, AND OTHERS

AN S 412 ADVANCED ENDOCRINOLOGY.
SAME AS D. S., PHYSL., AND ZOOL. 412
PREREQUISITE--CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE 2 UNITS.
•1/2 UNIT
TOPIC--BIOSYNTHESIS OF HORMONES

00412	DISC		730-10PM	M	140	BUR HALL	GORSKI, NALBANDOV STOLPE

AN S 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, I.
SAME AS AGRON., D.S., HORT., AND V.M.S. 440.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00413	LECT		9	M W F	W109	T H	JACOB, SEIF
00414	LAB	A	1-3	M	N107	T H	
00415	LAB	B	3-5	M	N107	T H	
00416	LAB	C	1-3	TU	N107	T H	
00417	LAB	D	3-5	TU	N107	T H	

AN S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

00418	DISC		ARR				GRADUATE STAFF

INTERDEPARTMENTAL ENDOCRINOLOGY SEMINAR. FOR TOPICS AND PLACE, SEE UNIVERSITY CALENDAR.

INTERDEPARTMENTAL GENETICS SEMINAR. SEE UNIVERSITY CALENDAR

ANIMAL NUTRITION
DIVISION OF DEPARTMENT OF ANIMAL SCIENCE

DIVISION OFFICE 120 A S L

COURSES FOR GRADUATES

AN NU 402 PROTEINS AND AMINO ACIDS IN NUTRITION.
PREREQUISITE--CHEM. 350 AND 355, OR EQUIVALENT.
1/2 UNIT
00419 LECT-DISC 10 W F 153 A S L JOHNSON

AN NU 403 LABORATORY METHODS IN PROTEIN AND ENERGY NUTRITION.
PREREQUISITE--AN. NU. 351, CHEM. 350 AND 355.
1 UNIT
00420 LECT ARR FORBES

AN NU 406 MINERAL ELEMENTS IN NUTRITION.
PREREQUISITE--AN. NU. 351, CHEM. 350 AND 355.
1/2 UNIT
00421 LECT-DISC 10 TU TH 121 A S L KASTELIC

AN NU 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
00422 DISC ARR GRADUATE STAFF

ANTHROPOLOGY

DEPARTMENT OFFICE 137 D H

MAJOR--TWENTY HOURS FROM ANY COURSE IN ANTHROPOLOGY, INCLUDING ANTHROP. 102 AND 103. A DOUBLE MAJOR IN ANTHROPOLOGY AND SOCIOLOGY IS NOT PERMITTED.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ECONOMICS, GEOGRAPHY, HISTORY, LINGUISTICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND ZOOLOGY. THE CURRICULUM IN LATIN-AMERICAN STUDIES OR IN RUSSIAN LANGUAGE AND AREA STUDIES IS ALSO ACCEPTED AS A MINOR.
NOTE--INDIVIDUAL INSTRUCTION WILL BE AVAILABLE FOR EDMUND J JAMES SCHOLARS.

COURSES FOR UNDERGRADUATES

ANTH 102 INTRODUCTION TO ANTHROPOLOGY--THE ORIGIN OF MAN AND CULTURE.
•CREDIT IS NOT GIVEN FOR BOTH ANTH. 102 AND SOC. 104.
•4 HOURS
•HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

00423	LECT		2	M W F	100	N L		MCGREGOR
00424	QUIZ	A	8	TU	313	D H		
00425	QUIZ	B	9	TU	311	D H		
00426	QUIZ	C	8	TH	137	D H		
00427	QUIZ	D	9	TU	137	D H		
00428	QUIZ	E	9	TH	313	D H		
00429	QUIZ	F	9	TH	137	D H		
00430	QUIZ	•AA	10	TU	313	D H		
00430	QUIZ	H	10	TH	313	D H		
00431	QUIZ	I	11	TU	313	D H		
00432	QUIZ	J	11	TH	313	D H		
00433	QUIZ	K	1	TU	300	N L		
00434	QUIZ	L	2	TU	161	N L		

ANTH 103 INTRODUCTION TO CULTURAL ANTHROPOLOGY.
•CREDIT IS NOT GIVEN FOR BOTH ANTH. 103 AND SOC. 104.
•4 HOURS
•HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

00436	LECT		10	M W F	213	G H		BRUNER
00437	QUIZ	A	8	TU	137	D H		
00438	QUIZ	B	9	TH	313	D H		
00439	QUIZ	C	8	TH	311	D H		
00440	QUIZ	D	9	TU	313	D H		
00441	QUIZ	E	10	TU	113	D H		
00442	QUIZ	F	10	TH	113	D H		
00446	QUIZ	•BB	11	TU	311	D H		
00443	QUIZ	H	11	TH	311	D H		
00444	QUIZ	I	1PM	TU	210	C A		
00445	QUIZ	J	2PM	TU	204	N L		

ANTH 185 INTRODUCTION TO SOCIAL SCIENCE RESEARCH METHODS.
SAME AS SOC. AND GEOG. 185.
PREREQUISITE--SOC. 100, OR CONSENT OF INSTRUCTOR, OR SIX HOURS IN ANTHROPOLOGY, GEOGRAPHY, POLITICAL SCIENCE, OR SOCIOLOGY.
3 HOURS

00447	LECT-DISC	A	930-11	TU TH	318	L H		DICKMAN
00448	LECT-DISC	B	11-1220	TU TH	318	L H		SIMMONS

COURSES FOR ADVANCED UNDERGRADUATES

ANTH 252 OLD WORLD ARCHAEOLOGY.
PREREQUISITE--THREE HOURS OF ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS

00449	LECT-DISC	A	11	M W F	137	D H		MCGREGOR

ANTH 271 NATIVE CULTURES OF SOUTH AMERICA.
PREREQUISITE--THREE HOURS OF ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS

00450	LECT-DISC	A	9	M W F	313	D H		

ANTH 290 HONORS COURSE.
PREREQUISITE--SENIOR STANDING AND 4.0 AVERAGE.
2 HOURS

00451	CONF	GA	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ANTH 309 FIELD METHODS IN LINGUISTICS.
SAME AS LING. 309.
PREREQUISITE--LING. 300, 301, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

00452	LECT-DISC		10	M W	311	D H		HALE, LEHMAN
00453	LAB	A	10-12	TU	137	D H		
00454	LAB	B	10-12	TH	137	D H		
00455	LAB	C	1-3	TU	137	D H		

ANTH 317 LANGUAGES OF THE WORLD.
SAME AS LING. 317.
PREREQUISITE--LING. 300 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
00456 LECT-DISC A 8 M W F 311 D H HALE

ANTH 320 POLITICAL ANTHROPOLOGY.
PREREQUISITE--ANTH. 103.
3 HOURS, OR 1/2 OR 1 UNIT
00457 LECT-DISC A 3 M W F 137 D H JACOBS

ANTH 340 HUMAN EVOLUTION AND RACE.
PREREQUISITE--ANTH. 102 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
00458 LECT-DISC A 11 M W F 313 D H LATHRAP

ANTH 350 ARCHAEOLOGY OF SOUTH AMERICA.
PREREQUISITE--ANTH. 102 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
00459 LECT-DISC A 1 M W F 137 D H LATHRAP

ANTH 351 ARCHAEOLOGICAL SURVEYING AND PRIMITIVE SETTLEMENT PATTERNS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT
00460 LECT-DISC A 9 M W F 311 D H

ANTH 361 PEOPLES AND CULTURES OF MEXICO AND GUATEMALA.
PREREQUISITE--ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
00461 LECT-DISC A 9 M W F 137 D H LEWIS

ANTH 367 CULTURES OF NATIVE AFRICA.
PREREQUISITE--ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
00462 LECT-DISC A 2 M W F 137 D H JACOBS

ANTH 368 PEOPLES AND CULTURES OF INDIA.
PREREQUISITE--ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
00463 LECT-DISC A 4 M W F 137 D H LEHMAN

ANTH 369 INTRODUCTION TO HUMAN ECOLOGY.
SAME AS GEOG., PHYSL., ZOOL., AND SOC. 369.
PREREQUISITE--ONE YEAR OF BIOLOGY AND ONE YEAR OF ANTHROPOLOGY, GEOGRAPHY, GEOLOGY, OR SOCIOLOGY.
*A TERM PAPER IS REQUIRED FOR CREDIT, DEPENDING UPON THE NATURE AND MAGNITUDE OF THIS PAPER THE CREDIT MAY BE 3 OR 5 HOURS.
*3 OR 5 HOURS, OR 1/2 OR 1 UNIT
00464 LECT-DISC A 11 M W F 229 N H B SHIMKIN AND OTHERS

ANTH 373 HUMAN DEVELOPMENT IN CROSS-CULTURAL PERSPECTIVE.
SAME AS PSYCH. 373.
PREREQUISITE--SIX HOURS OF ANTHROPOLOGY, SOCIOLOGY OR PSYCHOLOGY, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
00465 LECT-DISC A 1 M W F TRIANDIS

ANTH 381 RUSSIAN CULTURE HISTORY AND ETHNOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT
00466 LECT-DISC A 10 M W F 137 D H SHIMKIN

COURSES FOR GRADUATES

ANTH 401 GENERAL ANTHROPOLOGY, I.
PREREQUISITE--TWELVE HOURS OF ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
1 UNIT
00467 LECT-DISC A 3-420 TU TH 113 D H STAFF

ANTH 420 THE EVOLUTION OF AGRICULTURAL ECONOMICS.
SAME AS AGRON. AND GENG. 420.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00468 LECT-DISC A 2-320 M LATHAM
AND THERS

ANTH 450 SEMINAR IN ANTHROPOLOGY.
•STUDENTS MAY ACCUMULATE TWO UNITS.
•1 UNIT
00469 CONF A ARR HALL
00470 CONF B ARR LEWIS

ANTH 452 RESEARCH PROBLEMS IN ARCHAEOLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE ADDITIONAL CREDIT.
•1 UNIT
00471 CONF A ARR MOORE

ANTH 460 THEORIES AND METHODS IN ANTHROPOLOGY.
1 UNIT
00472 CONF A ARR CASAGRANDE

ANTH 461 THE CULTURAL APPROACH IN ANTHROPOLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00473 LECT-DISC A 1-3 TH 137 C H STEWARD

ANTH 463 SEMINAR ON FIELD METHODS AND RESEARCH DESIGNS IN CULTURAL
ANTHROPOLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00474 LECT-DISC A 4PM M W F 313 C H METZGER

ANTH 471 PERSONALITY, CULTURE, AND SOCIETY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00475 CONF A ARR BRUNER

ANTH 489 READINGS IN ANTHROPOLOGY.
PREREQUISITE--ONE SEMESTER OF GRADUATE WORK IN ANTHROPOLOGY--CONSENT
OF ADVISER.
1/2 OR 1 UNIT
00476 CONF A ARR STAFF

ANTH 490 INDIVIDUAL TOPICS IN ANTHROPOLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
00477 CONF A ARR STAFF

ANTH 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
•SECTION A IS FOR MASTERS THESIS AND SECTION B IS FOR DOCTORS THESIS
00478 CONF •A ARR STAFF
00479 CONF •B ARR STAFF

ARCHITECTURE

DEPARTMENT OFFICE 106 ARCH

IN THE CURRICULUM IN ARCHITECTURE, NORMAL COURSE PROGRESS IN SEQUENCE IS IMPERATIVE. STUDENTS FAILING TO COMPLETE ANY REQUIRED COURSE MORE THAN ONE SEMESTER LATER THAN THE TIME DESIGNATED IN THE CURRICULUM, ARE PROHIBITED FROM PROGRESSIVE REGISTRATION IN ARCHITECTURAL COURSES UNTIL THE DEFICIENCY IS CORRECTED. APPLICABLE TO STUDENTS ENTERING IN SEPTEMBER, 1958.

ARCH 101 INTRODUCTION TO ARCHITECTURE.
PREREQUISITE--CREDIT OR REGISTRATION IN G.E. 107.
3 HOURS
•LECTURE IS FOR FIRST 7 WEEKS OF SEMESTER ONLY. ALL STUDENTS ENROLLED IN ARCH. 101 MUST ATTEND.
LAB SECTIONS A1 AND B1 MEET IN AREA E.
LAB SECTIONS A2 AND B2 MEET IN AREA D.
LAB SECTION A3 MEETS IN AREA C.
LAB SECTION A4 MEETS IN AREA B.
LAB SECTION A5 MEETS IN AREA A.

00480	LECT		•1		TU	120	ARCH		STAFF
00480	LECT-DISC		1		TH	120	ARCH		STAFF
00481	LAB	A1	9-12	M W		206	F A B		STAFF
		A1	10-12		F	206	F A B		
00482	LAB	A2	9-12	M W		206	F A B		STAFF
		A2	10-12		F	206	F A B		
00483	LAB	A3	9-12	M W		206	F A B		STAFF
		A3	10-12		F	206	F A B		
00484	LAB	A4	9-12	M W		206	F A B		STAFF
		A4	10-12		F	206	F A B		
00485	LAB	A5	9-12	M W		206	F A B		STAFF
		A5	10-12		F	206	F A B		
00486	LAB	B1	9-12	TU TH		206	F A B		STAFF
		B1	10-12		S	206	F A B		
00487	LAB	B2	9-12	TU TH		206	F A B		STAFF
		B2	10-12		S	206	F A B		

ARCH 113 HISTORY OF ANCIENT ARCHITECTURE.
PREREQUISITE--ARCH. 131 OR SOPHOMORE STANDING.
2 HOURS

00488	LECT		3		TU TH	120	ARCH		PUNDT

ARCH 131 ARCHITECTURAL DESIGN.
PREREQUISITE--SOPHOMORE STANDING, ARCH. 101, CREDIT OR REGISTRATION IN G.E. 108, REGISTRATION IN ARCH. 141.
3 HOURS
LAB SECTIONS B1 AND C1 MEET IN AREA A.
LAB SECTIONS B2 AND C2 MEET IN AREA B.
LAB SECTIONS B3 AND C3 MEET IN AREA C.
LAB SECTION C4 MEETS IN AREA D.

00489	LECT-DISC		2		W	62	K M		STAFF
00490	LAB	B1	9-12	TU TH		206	F A B		STAFF
		B1	10-12		S	206	F A B		
00491	LAB	B2	9-12	TU TH		206	F A B		STAFF
		B2	10-12		S	206	F A B		
00492	LAB	B3	9-12	TU TH		206	F A B		STAFF
		B3	10-12		S	206	F A B		
00493	LAB	C1	2-5	M	F	206	F A B		STAFF
		C1	3-5		W	206	F A B		
00494	LAB	C2	2-5	M	F	206	F A B		STAFF
		C2	3-5		W	206	F A B		
00495	LAB	C3	2-5	M	F	206	F A B		STAFF
		C3	3-5		W	206	F A B		
00496	LAB	C4	2-5	M	F	206	F A B		STAFF
		C4	3-5		W	206	F A B		

ARCH 132 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 131.
3 HOURS

00497	LECT-DISC		2	M		62	K M		STAFF
00498	LAB	B1	8-11	TU TH		219	F A B		STAFF
		B1	9-11		S	219	F A B		
00499	LAB	B2	8-11	TU TH		229	F A B		STAFF
		B2	9-11		S	229	F A B		
00500	LAB	C1	3-5	M		219	F A B		STAFF
		C1	2-5		W F	219	F A B		
00501	LAB	C2	3-5	M		229	F A B		STAFF
		C2	2-5		W F	229	F A B		

ARCH 141 MATERIALS AND METHODS OF CONSTRUCTION, I.
PREREQUISITE--REGISTRATION IN ARCH. 131.
2 HOURS

00502	LECT		4		TU TH	120	ARCH		STAFF

ARCH 142 MATERIALS AND METHODS OF CONSTRUCTION, II.
PREREQUISITE--ARCH. 141.
2 HOURS

00503	LECT		2	TU TH	120	ARCH	STAFF

COURSES FOR ADVANCED UNDERGRADUATES

ARCH 214 HISTORY OF MEDIEVAL ARCHITECTURE.
PREREQUISITE--ARCH. 113 OR CONSENT OF INSTRUCTOR.
3 HOURS

00504	LECT		11	TU TH S	120	ARCH	LAING

ARCH 215 HISTORY OF RENAISSANCE AND BAROQUE ARCHITECTURE.
PREREQUISITE--ARCH. 214 OR CONSENT OF INSTRUCTOR.
3 HOURS

00505	LECT		4	M W F	120	ARCH	CONNALLY

ARCH 216 MODERN ARCHITECTURE.
PREREQUISITE--ARCH. 215 OR CONSENT OF INSTRUCTOR.
3 HOURS

00506	LECT		10	M W F	120	ARCH	PUNDT

ARCH 233 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 132, CREDIT OR REGISTRATION IN T A M 150 OR 171, REGISTRATION IN ARCH 241.
3 HOURS

00507	LAB	A	8-11	M W F	310	ARCH	STAFF
00508	LAB	B	8-11	TU TH S	310	ARCH	STAFF

ARCH 234 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 233.
3 HOURS

00509	LAB	A	9-12	M W F	300	ARCH	STAFF
00510	LAB	B	9-12	TU TH S	300	ARCH	STAFF

ARCH 235 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 234. REGISTRATION IN ARCH. 265.
5 HOURS

00511	LAB		1-4	MTUWTHF	300	ARCH	STAFF
00512	LAB		1-4	MTUWTHF	410	ARCH	STAFF
00513	LAB		1-4	MTUWTHF	410A	ARCH	STAFF

ARCH 236 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 235 AND 265.
5 HOURS

00514	LAB		1-4	MTUWTHF	310	ARCH	STAFF

ARCH 241 MATERIALS AND METHODS OF CONSTRUCTION, III.
PREREQUISITE--ARCH. 142. REGISTRATION IN ARCH. 233.
2 HOURS

00515	LECT		4	TU TH	66	LIB	HODGE

ARCH 242 MATERIALS AND METHODS OF CONSTRUCTION, IV.
PREREQUISITE--ARCH. 241.
2 HOURS

00516	LECT		8	TU TH	120	ARCH	OCONNELL

ARCH 245 STRUCTURAL ELEMENTS.
PREREQUISITE--PHYCS. 101, T.A.M. 172 OR 221.
3 HOURS

00517	LECT-DISC		4	TU TH	114	D K H	STAFF
00518	LAB	A	9-12	M W	100	ARCH	STAFF
00519	LAB	C1	1-4	M W	100	ARCH	STAFF
00520	LAB	C2	1-4	M W	100	ARCH	STAFF

ARCH 246 THEORY OF STRUCTURAL DESIGN.
PREREQUISITE--ARCH. 245.
3 HOURS

00521	LECT-DISC		8	M W F	120	ARCH	TOTH
00521	LAB		8-11	TU TH	100	ARCH	TOTH

ARCH 247 STRUCTURAL PLANNING.
PREREQUISITE--ARCH. 257.
3 HOURS

00522	LECT-DISC	A	11	M	W	F	302	ARCH	BRIGHTHILL
00523	LECT-DISC	B	4	M	W	F	301	ARCH	BRIGHTHILL

ARCH 256 BUILDING SANITATION.
PREREQUISITE--JUNIOR STANDING IN ARCHITECTURE.
2 HOURS

00524	LECT		4	M	W		302	ARCH	OCONNELL

ARCH 257 REINFORCED CONCRETE THEORY.
PREREQUISITE--ARCH. 246.
3 HOURS

00525	LECT-DISC	A	8	M	W	F	302	ARCH	HARNISH
00526	LECT-DISC	B	10	M	W	F	302	ARCH	HARNISH

ARCH 265 THEORY OF ARCHITECTURE.
PREREQUISITE--ARCH. 234. REGISTRATION IN ARCH. 235.
2 HOURS

00527	LECT		4	TU	TH		302	ARCH	LOOKER

ARCH 283 ARCHITECTURAL PRACTICE.
PREREQUISITE--SENIOR STANDING IN ARCHITECTURE.
2 HOURS

00528	LECT		9	M	W		120	ARCH	CLAYTON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ARCH 337 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 236, SENIOR STANDING IN ARCHITECTURE.
7 HOURS, OR 2 UNITS

00529	LAB		1-5	MTUWTHF			200	ARCH	STAFF

ARCH 338 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 337.
7 HOURS, OR 2 UNITS

00530	LAB		1-5	MTUWTHF			210	ARCH	STAFF

ARCH 344 CONSTRUCTION DOCUMENTS.
PREREQUISITE--ARCH. 337 OR 347.
2 HOURS, NO GRADUATE CREDIT.

00531	LAB	B1	9-12	TU	TH		410	ARCH	STAFF
00532	LAB	B2	9-12	TU	TH		410A	ARCH	STAFF
00533	LAB	B3	9-12	TU	TH		408	ARCH	STAFF

ARCH 347 THEORY OF STRUCTURES.
PREREQUISITE--CREDIT OR REGISTRATION IN ARCH. 247 AND T.A.M. 211, ARCH. 257.
5 HOURS, OR 1 1/2 UNITS

00534	LECT-DISC		8	MTUWTHF			301	ARCH	HORNBEAK
00534	LAB		9-11	M	W	F	100	ARCH	HORNBEAK

ARCH 348 ADVANCED STRUCTURES.
PREREQUISITE--ARCH. 347, CREDIT OR REGISTRATION IN ARCH. 358.
5 HOURS, OR 1 1/2 UNITS

00535	LECT-DISC		1-3	M	W	F	301	ARCH	COY
00535	LAB		3-5	M		F	100	ARCH	COY
			3		W		100	ARCH	COY

ARCH 358 REINFORCED CONCRETE DESIGN.
PREREQUISITE--ARCH. 247, CREDIT OR REGISTRATION IN ARCH. 348.
3 HOURS, OR 1 UNIT

00536	LECT-DISC		1-3	TU	TH		301	ARCH	TANG
00536	LAB		3	TU	TH		100	ARCH	TANG

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ARCH  417     DEVELOPMENT OF CONTEMPORARY ARCHITECTURAL THOUGHT.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1/2 UNIT
       00537    LECT-DISC          4-6        TU        403D ARCH          LAING


ARCH  431     ADVANCED THEORY OF ARCHITECTURE.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1/2 UNIT
       00538    LECT-DISC          4-6         W        403D ARCH          WILLIAMS


ARCH  435     ADVANCED ARCHITECTURAL DESIGN.
         PREREQUISITE--THE DEGREE IN ARCHITECTURE--GENERAL OPTION--OFFERED
         BY THE UNIVERSITY OF ILLINOIS, OR THE EQUIVALENT.
         2 UNITS
       00539    LAB                1-5       MTUWTHF   403  ARCH          WILLIAMS
                                   1-5       MTUWTHF   403A ARCH          WILLIAMS


ARCH  452     ADVANCED THEORY OF STRUCTURES.
         PREREQUISITE--C E 461 OR CONSENT OF INSTRUCTOR.
         1 UNIT
       00540    LECT-DISC          8-10       TU TH      4E ARCH          TANG


ARCH  454     ADVANCED STRUCTURAL DESIGN IN REINFORCED CONCRETE.
         PREREQUISITE--ARCH. 358 OR CONSENT OF INSTRUCTOR.
         1 UNIT
       00541    LECT-DISC         10-12      M  W        4E ARCH          TANG


ARCH  481     ADVANCED ARCHITECTURAL CONSTRUCTION.
         PREREQUISITE--CONSENT OF INSTRUCTOR.  MAY BE TAKEN CONCURRENTLY
         WITH ARCH. 491.
         1/2 UNIT
       00542    LECT-DISC         10-12            F   403D ARCH          CLAYTON


ARCH  491     SPECIAL PROBLEMS IN ARCHITECTURAL CONSTRUCTION.
         PREREQUISITE--CREDIT OR REGISTRATION IN ARCH. 481.
         1/2 TO 2 UNITS
       00543    CONF            ARR                                       CLAYTON


ARCH  493     SPECIAL PROBLEMS IN STRUCTURAL THEORY AND DESIGN.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1/2 TO 2 UNITS
         *SECTION F--FOUNDATIONS, *SECTION SPI--STRUCTURAL PLANNING I,
         *SECTION L--ARCHITECTURAL RESEARCH LABORATORY
       00544    LECT-DISC *F       8-10      M  W        4E ARCH          TANG
       00545    LECT-DISC *SPI    10-12       TU TH      4E ARCH          TANG
       00546    LAB       *L       1-3      M  W  F     4E ARCH          TANG


ARCH  494     SPECIAL PROBLEMS IN ARCHITECTURAL DESIGN.
         PREREQUISITE--ARCH. 435.
         1/2 TO 2 UNITS
       00547    LAB                1-4       MTUWTHF   403  ARCH          WILLIAMS


ARCH  496     ARCHITECTURAL HISTORY.
         PREREQUISITE--ARCH. 417 OR CONSENT OF INSTRUCTOR.
         1/2 TO 2 UNITS
       00548    CONF            ARR                                       CONNALLY
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DEPARTMENT OFFICE 143 F A B

COURSES IN ART APPRECIATION AND THE HISTORY OF ART

COURSES FOR UNDERGRADUATES

ART 111 INTRODUCTION TO ANCIENT AND MEDIEVAL ART.
3 HOURS

00549	LECT	A	8	M W F	114	D K H		RAE
00550	LECT	B	2	M W F	120	ARCH		RAE

ART 112 INTRODUCTION TO RENAISSANCE AND MODERN ART.
PREREQUISITE--ART 111 OR CONSENT OF INSTRUCTOR FOR ART STUDENTS.
3 HOURS

00551	LECT	A	1	M W F	62	K M		STAFF

ART 115 ART APPRECIATION.
PREREQUISITE--SOPHOMORE STANDING. PRIMARILY FOR NON-ART STUDENTS.
3 HOURS

00552	LECT	A	3	M W F	120	ARCH		ROOS

ART 116 MASTERPIECES OF ART.
2 HOURS

00553	LECT	A	2	TU TH	66	LIB		WELLER AND STAFF

COURSES FOR ADVANCED UNDERGRADUATES

ART 210 HISTORY OF FURNITURE AND INTERIOR DESIGN.
PREREQUISITE--ART 134, OR CONSENT OF INSTRUCTOR.
2 HOURS

00554	LECT	A	1	TU TH	62	K M		ZASORSKI

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ART 308 EARLY MEDIEVAL ART.
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR JUNIOR STANDING.
3 HOURS, OR 3/4 UNIT

00555	LECT	A	4	M W F	62	K M		RAE

ART 311 CLASSICAL ART.
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

00556	LECT	A	11	M W F	62	K M		STAFF

ART 319 ITALIAN ART OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES.
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

00557	LECT	A	8	M W F	62	K M		PINNELL

ART 321 TWENTIETH CENTURY ART--1900-1925
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

00558	LECT	A	8	M W F	66	LIB		

ART 323 AMERICAN ART TO 1840.
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

00559	LECT	A	1	M W F	120	ARCH		ROOS

STUDIO COURSES PRIMARILY FOR NON-ART STUDENTS

ART 101 WATER COLOR, I.
PREREQUISITE--FOR ART STUDENTS, ART 118 AND 120. FOR OTHERS, CONSENT OF INSTRUCTOR.
2 HOURS

00560	LAB	A	2-5	M	F	206	F A B	STAFF

ART 102 WATER COLOR, II.
PREREQUISITE--ART 101.
2 HOURS

00561	LAB	A	2-5	M	F	206	F A B	STAFF

ART 107 ELEMENTARY DRAWING.
FOR STUDENTS NOT MAJORING IN ART.
*STUDENTS MAY ACCUMULATE FOUR HOURS.
*2 HOURS

00562	LAB	A	2-5	TU TH		384	ARMORY	STAFF

ART 123 FUNDAMENTALS OF DRAFTING AND DRAWING.
PREREQUISITE--CONSENT OF INSTRUCTOR. PRIMARILY FOR STUDENTS IN OCCUPATIONAL THERAPY AND HOME ECONOMICS.
3 HOURS

00563	LAB	A	2-5	M W	F	237	F A B	W JOHNSON

ART 185 DESIGN, I.
FOR NON-ART MAJORS.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00564	LAB	A	9-12	TU TH		201	SURV BLDG	GUNTER AND
00565	LAB	B	10-12	M W	F	201	SURV BLDG	STAFF
00566	LAB	C	1-3	M W	F	201	SURV BLDG	
00567	LAB	D	3-5	M W	F	201	SURV BLDG	
00568	LAB	E	2-5	TU TH		201	SURV BLDG	

ART 186 DESIGN, II.
FOR NON-ART MAJORS. PREREQUISITE--ART 185.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00569	LAB	A	8-10	M W	F	201	SURV BLDG	GUNTER AND STAFF

ART 201 WATER COLOR, III.
PREREQUISITE--ART 102.
2 HOURS

00570	LAB	A	2-5	M	F	319	F A B	STAFF

ART 202 WATER COLOR, IV.
PREREQUISITE--ART 201.
2 HOURS

00571	LAB	A	2-5	M	F	319	F A B	STAFF

PROFESSIONAL AND STUDIO COURSES

COURSES FOR UNDERGRADUATES

ART 117 DRAWING, I.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
3 HOURS

00572	LAB	A	9-12	M W	F	370	ARMORY	LYNCH AND
00573	LAB	B	9-12	M W	F	372	ARMORY	STAFF
00574	LAB	C	2-5	M W	F	370	ARMORY	
00575	LAB	D	2-5	M W	F	372	ARMORY	
00576	LAB	E	9-12	TU TH	S	370	ARMORY	
00577	LAB	F	9-12	TU TH	S	372	ARMORY	
00578	LAB	G	9-12	M W	F	384	ARMORY	
00579	LAB	H	2-5	M W	F	384	ARMORY	

ART 118 DRAWING, II.
PREREQUISITE--ART 117. OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
2 HOURS

00580	LAB	A	1-4	TU TH	370	ARMORY		LYNCH
00581	LAB	B	9-12	TU TH	384	ARMORY		STAFF

ART 119 DESIGN, I.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
2 HOURS

00582	LECT	1	4	TU	62	K M		ROY
00583	LAB	A	9-12	M F	247	ARMORY		BRADSHAW
00584	LAB	B	9-12	TU TH	247	ARMORY		AND STAFF
00585	LAB	C	9-12	TU TH	386	ARMORY		
00586	LAB	D	1-4	TU TH	386	ARMORY		
00587	LAB	E	2-5	M F	247	ARMORY		
00588	LAB	F	1-4	TU TH	247	ARMORY		
00589	LAB	G	9-12	W S	247	ARMORY		
00590	LAB	H	9-12	S	247	ARMORY		
		H	2-5	W	247	ARMORY		

ART 120 DESIGN, II.
PREREQUISITE--ART 119. OPEN ONLY TO STUDENTS IN COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
3 HOURS

00591	LECT	1	4	TH	62	K M		ROY
00592	LAB	A	9-12	M W F	386	ARMORY		BRADSHAW
00593	LAB	B	2-5	M W F	386	ARMORY		AND STAFF

ART 121 DRAWING THEORY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00594	LAB	A	9-12	M F	235	F A B		JOHNSON AND
00595	LAB	B	9-12	M F	237	F A B		STAFF
00596	LAB	C	9-12	M F	229	F A B		
00597	LAB	D	9-12	TU TH	237	F A B		
00598	LAB	E	2-5	M F	235	F A B		
00599	LAB	F	1-4	TU TH	235	F A B		
00600	LAB	G	1-4	TU TH	237	F A B		
00601	LAB	H	1-4	TU TH	219	F A B		

ART 122 DRAWING THEORY.
PREREQUISITE--ART 121.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00602	LAB	A	9-12	TU TH	235	F A B		JOHNSON AND
00603	LAB	B	1-4	TU TH	229	F A B		STAFF

ART 125 LIFE DRAWING, I.
PREREQUISITE--ART 118.
2 HOURS

00604	LAB	A	9-12	M F	236	F A B		ZIROLI AND
00605	LAB	B	9-12	W S	236	F A B		STAFF
00606	LAB	C	2-5	M F	240	F A B		
00607	LAB	D	9-12	TU TH	336	F A B		
00608	LAB	E	9-12	W S	240	F A B		
00609	LAB	F	2-5	TU TH	236	F A B		
00610	LAB	G	2-5	TU TH	338	F A B		
00611	LAB	H	9-12	M F	338	F A B		

ART 126 LIFE DRAWING, II.
PREREQUISITE--ART 125.
2 HOURS

00612	LAB	A	9-12	M F	236	F A B		ZIROLI AND
00613	LAB	B	9-12	W S	236	F A B		STAFF
00614	LAB	C	2-5	M F	240	F A B		
00615	LAB	D	9-12	TU TH	336	F A B		
00616	LAB	E	9-12	W S	240	F A B		
00617	LAB	F	2-5	TU TH	236	F A B		
00618	LAB	G	2-5	TU TH	338	F A B		
00619	LAB	H	9-12	M F	338	F A B		

ART 129 ANATOMY, I.
PREREQUISITE--ART 118.
2 HOURS

00620	LAB	A	9-12	W		336	F A B		BRIGGS
00621	LAB	B	9-12		S	336	F A B		BRIGGS
00622	LAB	C	2-5	W		336	F A B		BRIGGS
00623	LAB	D	2-5	TH		336	F A B		BRIGGS
00624	LAB	E	2-5		F	336	F A B		BRIGGS

ART 130 ANATOMY, II.
PREREQUISITE--ART 129.
2 HOURS

00625	LAB	A	9-12	W		336	F A B		BRIGGS
00626	LAB	B	9-12		S	336	F A B		BRIGGS
00627	LAB	C	2-5	W		336	F A B		BRIGGS
00628	LAB	D	2-5	TH		336	F A B		BRIGGS
00629	LAB	E	2-5		F	336	F A B		BRIGGS

ART 131 ELEMENTARY COMPOSITION.
PREREQUISITE--ART 118, 120.
2 HOURS

00630	LAB	A	9	M	F	207	F A B		BRITSKY AND
		A	10-12	M	F	209	F A B		STAFF
00631	LAB	B	9	W	S	207	F A B		
		B	10-12	W	S	209	F A B		
00632	LAB	C	9	TU TH		207	F A B		
		C	10-12	TU TH		209	F A B		
00633	LAB	D	2	M	F	207	F A B		
		D	3-5	M	F	209	F A B		
00634	LAB	E	2	TU TH		207	F A B		
		E	3-5	TU TH		209	F A B		

ART 132 ELEMENTARY COMPOSITION.
PREREQUISITE--ART 131.
2 HOURS

00635	LAB	A	9-12	M	F	209	F A B		BRITSKY AND
00636	LAB	B	9-12	W	S	209	F A B		STAFF
00637	LAB	C	9-12	TU TH		209	F A B		
00638	LAB	D	2-5	M	F	209	F A B		
00639	LAB	E	2-5	TU TH		209	F A B		

ART 133 DESIGN WORKSHOP.
PREREQUISITE--ART 118, 120. PRIMARILY FOR STUDENTS IN INDUSTRIAL DESIGN CURRICULUM.
2 HOURS

00640	LAB	A	9-12	M	F	32	F A B		ZAGORSKI
00641	LAB	B	2-5	M	F	32	F A B		ZAGORSKI

ART 134 DESIGN WORKSHOP.
PREREQUISITE--ART 133. PRIMARILY FOR STUDENTS IN INDUSTRIAL DESIGN CURRICULUM.
2 HOURS

00642	LAB	A	9-12	M	F	32	F A B		ZAGORSKI
00643	LAB	B	2-5	M	F	32	F A B		ZAGORSKI

A T 137 DESIGN ANALYSIS.
P EREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
P IMARILY FOR STUDENTS IN ENGINEERING AND VOCATIONAL TECHNICAL E UCATION.
2 HOURS

00644	LECT	A	1	M		32	F A B		STAFF
00644	LAB	A	1-3	W		32	F A B		STAFF

ART 141 STILL LIFE, I.
PREREQUISITE--ART 118, 120.
2 HOURS

00645	LAB	A	9-12	M	F	9	F A B		JACKSON AND
00646	LAB	B	9-12	TU TH		9	F A B		STAFF
00647	LAB	C	9-12	W	S	9	F A B		
00648	LAB	D	2-5	M	F	9	F A B		
00649	LAB	E	2-5	TU TH		9	F A B		
00650	LAB	F	7-10PM	TU TH		9	F A B		

ART 142 STILL LIFE, II.
PREREQUISITE--ART 141.
2 HOURS

00651	LAB	A	9-12	M F	9	F A B		[illegible]
00652	LAB	B	9-12	TU TH	9	F A B		STAFF
00653	LAB	C	9-12	W S	9	F A B		
00654	LAB	D	2-5	M F	9	F A B		
00655	LAB	E	2-5	TU TH	9	F A B		
00656	LAB	F	7-10PM	TU TH	9	F A B		

ART 151 SCULPTURE, I.
PREREQUISITE--ART 118, 120.
2 HOURS

00657	LAB	A	9-12	TU TH	25	F A B		STAFF
00658	LAB	B	8-11	W S	25	F A B		
00659	LAB	C	8-11	M F	25	F A B		
00660	LAB	D	7-10PM	TU TH	25	F A B		

ART 152 SCULPTURE, II.
PREREQUISITE--ART 151.
2 HOURS

00661	LAB	A	2-5	TU TH	25	F A B		STAFF
00662	LAB	B	2-5	M F	25	F A B		
00663	LAB	C	7-10PM	M F	25	F A B		

ART 181 FREEHAND DRAWING, I.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS.
2 HOURS

00664	LAB	A	1-3	M W F	20A	ARCH		FOTHERGILL
00665	LAB	B	8-10	TU TH S	405	C E H		AND STAFF
00666	LAB	C	10-12	M W F	405	C E H		
00667	LAB	D	3-5	M W F	406	C E H		
00668	LAB	E	9-12	S	407	C E H		
		E	2-5	W	407	C E H		
00669	LAB	F	2-5	TU TH	20A	ARCH		
00670	LAB	G	2-5	TU TH	20B	ARCH		
00671	LAB	H	10-12	TU TH S	405	C E H		

ART 182 FREEHAND DRAWING, II.
PREREQUISITE--ART 181. PRIMARILY FOR STUDENTS IN ARCHITECTURE.
2 HOURS

00672	LAB	A	3-5	M W F	20A	ARCH		FOTHERGILL
00673	LAB	B	1-3	M W F	406	C E H		AND STAFF

ART 183 FREEHAND DRAWING, III.
PREREQUISITE--ART 182. PRIMARILY FOR STUDENTS IN ARCHITECTURE.
2 HOURS

00674	LAB	A	1-4	TU TH	405	C E H		STAFF
00675	LAB	B	1-4	TU TH	406	C E H		
00676	LAB	C	1-4	M F	407	C E H		
00677	LAB	D	10-12	M W F	20A	ARCH		
00678	LAB	E	8-11	M F	406	C E H		
00679	LAB	F	8-10	M W F	405	C E H		

ART 184 FREEHAND DRAWING, IV.
PREREQUISITE--ART 183. PRIMARILY FOR STUDENTS IN ARCHITECTURE.
2 HOURS

00680	LAB	A	8-10	M W F	20A	ARCH		STAFF
00681	LAB	B	9-12	TU TH	406	C E H		

ART 190 RECREATIONAL CRAFTS, I.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
PRIMARILY FOR RECREATION MAJORS IN PHYSICAL EDUCATION.
2 HOURS

00682	LAB	A	8-10	M W F	107	F A B		STAFF
00683	LAB	B	10-12	M W F	107	F A B		
00684	LAB	C	9-12	TU TH	107	F A B		

ART 191 RECREATIONAL CRAFTS, II.
PREREQUISITE--ART 190. PRIMARILY FOR RECREATION MAJORS IN
PHYSICAL EDUCATION.
2 HOURS

00685	LAB	A	8-10	M W F	107	F A B		STAFF
00686	LAB	B	10-12	M W F	107	F A B		
00687	LAB	C	9-12	TU TH	107	F A B		

ART 192 METALWORK AND JEWELRY, I.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS

00688	LAB	A	9-12	M F	24	D K H		VON NEUMANN
00689	LAB	B	2-5	M F	24	D K H		VON NEUMANN

ART 193 METALWORK AND JEWELRY, II.
PREREQUISITE--ART 192.
2 HOURS

00690	LAB	A	9-12	TU TH	24	D K H		VON NEUMANN

ART 194 POTTERY, I.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
*FOR NON-ART STUDENTS ONLY.

00693	LAB	*A	9-12	M F	152	MET LAB		STAFF
00691	LAB	B	2-5	TU TH	23	D K H		
00692	LAB	C	9-12	TU TH	23	D K H		

ART 195 POTTERY, II.
PREREQUISITE--ART 194.
2 HOURS
*FOR NON-ART STUDENTS ONLY.

00694	LAB	A	9-12	M F	152	MET LAB		STAFF
00695	LAB	B	2-5	TU TH	23	D K H		
00696	LAB	*C	9-12	TU TH	23	D K H		

COURSES FOR ADVANCED UNDERGRADUATES

ART 203 ART EDUCATION LABORATORY.
PREREQUISITE--ART 132 OR JUNIOR STANDING.
2 HOURS
*FOR NON-ART STUDENTS ONLY.

00698	LAB	*A	1-3	M W F	106	F A B		STAFF
00699	LAB	*B	3-5	M W F	106	F A B		
00700	LAB	*C	2-5	TU TH	107	F A B		
00701	LAB	*D	8-10	M W F	106	F A B		
00697	LAB	E	2-5	TU TH	106	F A B		

ART 204 ART EDUCATION LABORATORY.
PREREQUISITE--ART 132 OR JUNIOR STANDING.
2 HOURS

00702	LAB	A	3-5	M W F	107	F A B		STAFF

ART 215 BASIC PHOTOGRAPHY, I.
PREREQUISITE--JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
SUPPLIES COST APPROXIMATELY $20.
2 HOURS

00703	LAB	A	9-12	TU TH	335	F A B		SINSABAUGH
00704	LAB	B	2-5	M F	335	F A B		SINSABAUGH

ART 216 BASIC PHOTOGRAPHY, II.
PREREQUISITE--ART 215. SUPPLIES COST APPROXIMATELY $20.
2 HOURS

00705	LAB	A	2-5	TU TH	335	F A B		SINSABAUGH

ART 225 INTERMEDIATE DRAWING, I.
PREREQUISITE--JUNIOR STANDING IN ART.
2 HOURS

00706	LAB	A	9-12	TU TH	240	F A B		STAFF
00707	LAB	B	2-5	TU TH	240	F A B		STAFF
00708	LAB	C	2-5	M F	236	F A B		STAFF

ART 226 INTERMEDIATE DRAWING, II.
PREREQUISITE--ART 225.
2 HOURS

00709	LAB	A	9-12	TU TH	240	F A B		STAFF
00710	LAB	B	2-5	TU TH	240	F A B		STAFF
00711	LAB	C	2-5	M F	236	F A B		STAFF

ART 231 INTERMEDIATE COMPOSITION, I.
PREREQUISITE--ART 132.
3 HOURS

00712	LAB	A	9-12	M W F	324	F A B	BETTS & STAFF
00713	LAB	B	2-5	M W F	324	F A B	

ART 232 INTERMEDIATE COMPOSITION, II.
PREREQUISITE--ART 231.
3 HOURS

00714	LAB	A	9-12	M W F	324	F A B	BETTS AND
00715	LAB	B	2-5	M W F	324	F A B	STAFF

ART 233 ADVANCED COMPOSITION, I.
PREREQUISITE--ART 232.
3 HOURS

00716	LAB	A	9-12	TU TH	308	F A B	DOOLITTLE AND
		A	2-5	W	308	F A B	STAFF
00717	LAB	B	9-12	TU TH	318	F A B	
		B	2-5	W	318	F A B	

ART 234 ADVANCED COMPOSITION, II.
PREREQUISITE--ART 233.
3 HOURS

00718	LAB	A	9-12	TU TH	308	F A B	DOOLITTLE
		A	2-5	W	308	F A B	AND STAFF
00719	LAB	B	9-12	TU TH	318	F A B	
		B	2-5	W	318	F A B	

ART 235 ILLUSTRATION, I.
PREREQUISITE--ART 132.
2 HOURS

00720	LAB	A	9-12	TU TH	106	F A B	STAFF
00721	LAB	B	2-5	TU TH	206	F A B	STAFF

ART 236 ILLUSTRATION, II.
PREREQUISITE--ART 235.
2 HOURS

00722	LAB	A	9-12	TU TH	106	F A B	STAFF
00723	LAB	B	2-5	TU TH	206	F A B	STAFF

ART 243 FIGURE PAINTING, I.
PREREQUISITE--JUNIOR STANDING IN ART
2 HOURS

00724	LAB	A	9-12	TU TH	324	F A B	STAFF
00725	LAB	B	2-5	TU TH	324	F A B	STAFF

ART 244 FIGURE PAINTING, II.
PREREQUISITE--ART 243.
2 HOURS

00726	LAB	A	9-12	TU TH	324	F A B	STAFF
00727	LAB	B	2-5	TU TH	324	F A B	STAFF

ART 245 ADVANCED PAINTING AND DRAWING, I.
PREREQUISITE--ART 226 AND 244.
3 HOURS

00728	LAB	A	9-12	M W F	308	F A B	SPRAGUE & STAF
00729	LAB	B	9-12	M W F	318	F A B	

ART 246 ADVANCED PAINTING AND DRAWING, II.
PREREQUISITE--ART 245.
3 HOURS

00730	LAB	A	9-12	M W F	308	F A B	
00731	LAB	B	9-12	M W F	318	F A B	

ART 247 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN PAINTING OR CONSENT OF INSTRUCTOR.
2 HOURS

00732	LECT-DISC	A	ARR		308	F A B	STAFF
00733	LECT-DISC	B	ARR		318	F A B	STAFF

ART 245 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN PAINTING OR CONSENT OF INSTRUCTOR.
2 HOURS

00734	LECT-DISC	A	ARR		308	F A B		STAFF
00735	LECT-DISC	B	ARR		318	F A B		STAFF

ART 251 ADVANCED SCULPTURE, I.
PREREQUISITE--ART 152.
2 HOURS

00736	LAB	A	2-5	TU TH	25	F A B		STAFF
00737	LAB	B	2-5	M F	25	F A B		STAFF
00738	LAB	C	7-10PM	M F	25	F A B		

ART 252 ADVANCED SCULPTURE, II.
PREREQUISITE--ART 251.
2 HOURS

00739	LAB	A	2-5	TU TH	25	F A B		STAFF
00740	LAB	B	2-5	M F	25	F A B		
00741	LAB	C	7-10PM	M F	25	F A B		

ART 253 INTERMEDIATE SCULPTURE, I.
PREREQUISITE--ART 152.
2 HOURS

00742	LAB	A	2-5	TU TH	25	F A B		STAFF
00743	LAB	B	2-5	M F	25	F A B		
00744	LAB	C	7-10PM	M F	25	F A B		

ART 254 INTERMEDIATE SCULPTURE, II.
PREREQUISITE--ART 253.
2 HOURS

00745	LAB	A	2-5	TU TH	25	F A B		STAFF
00746	LAB	B	2-5	M F	25	F A B		
00747	LAB	C	7-10PM	M F	25	F A B		

ART 255 SCULPTURE MATERIALS AND TECHNIQUES, I.
PREREQUISITE--ART 152.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00748	LAB	*A	2-5	TU TH	25	F A B		STAFF
00749	LAB	*B	2-5	M F	25	F A B		
00750	LAB	*C	7-10PM	M F	25	F A B		

ART 256 SCULPTURE MATERIALS AND TECHNIQUES, II.
PREREQUISITE--ART 255.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00751	LAB	*A	2-5	TU TH	25	F A B		STAFF
00752	LAB	*B	2-5	M F	25	F A B		
00753	LAB	*C	7-10PM	M F	25	F A B		

ART 257 ADVANCED SCULPTURE, I.
PREREQUISITE--ART 254.
2 HOURS

00754	LAB	A	2-5	TU TH	25	F A B		STAFF
00755	LAB	B	2-5	M F	25	F A B		
00756	LAB	C	7-10PM	M F	25	F A B		

ART 258 ADVANCED SCULPTURE, II.
PREREQUISITE--ART 257.
2 HOURS

00757	LAB	A	2-5	TU TH	25	F A B		STAFF
00758	LAB	B	2-5	M F	25	F A B		
00759	LAB	C	7-10PM	M F	25	F A B		

ART 259 ADVANCED SCULPTURE MATERIALS AND TECHNIQUES, I.
PREREQUISITE--ART 256.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00760	LAB	*A	2-5	TU TH	25	F A B		STAFF
00761	LAB	*B	2-5	M F	25	F A B		
00762	LAB	*C	7-10PM	M F	25	F A B		

ART 260 ADVANCED SCULPTURE MATERIALS AND TECHNIQUES, II.
PREREQUISITE--ART 259.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00763	LAB	*A	2-5	TU TH	25	F	A	B	STAFF
00764	LAB	*B	2-5	M F	25	F	A	B	
00765	LAB	*C	7-10PM	M F	25	F	A	B	

ART 261 LAYOUT AND LETTERING, I.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00766	LAB	A	9-12	TU TH S	311	F	A	B	MOORE & STAFF
00767	LAB	B	2-5	TU TH	311	F	A	B	
		B	7-10PM	TH	311	F	A	B	
00768	LAB	C	2-5	M W F	311	F	A	B	
00769	LAB	D	9-12	TU TH S	311	F	A	B	

ART 262 LAYOUT AND LETTERING, II.
PREREQUISITE--ART 261.
3 HOURS

00770	LAB	A	9-12	TU TH S	311	F	A	B	MOORE AND
00771	LAB	B	2-5	TU TH	311	F	A	B	STAFF
		B	7-10PM	TH	311	F	A	B	
00772	LAB	C	2-5	M W F	311	F	A	B	
00773	LAB	D	9-12	TU TH S	311	F	A	B	

ART 265 ADVERTISING DESIGN, I.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00774	LAB	A	9-12	M W F	311	F	A	B	STERKEL AND
00775	LAB	B	9-12	M W F	311	F	A	B	STAFF

ART 266 ADVERTISING DESIGN, II.
PREREQUISITE--ART 265.
3 HOURS

00776	LAB	A	9-12	M W F	311	F	A	B	STERKEL AND
00777	LAB	B	9-12	M W F	311	F	A	B	STAFF

ART 267 ADVANCED ADVERTISING DESIGN, I.
PREREQUISITE--ART 266.
5 HOURS

00778	LAB	A	9-12	MTUWTHF	311	F	A	B	PERLMAN AND STAFF

ART 268 ADVANCED ADVERTISING DESIGN, II.
PREREQUISITE--ART 267.
5 HOURS

00779	LAB	A	9-12	MTUWTHF	311	F	A	B	PERLMAN AND
00780	LAB	B	2-5	MTUWTHF	311	F	A	B	STAFF

ART 271 MATERIALS AND PROCESSES, I.
PREREQUISITE--ART 134.
3 HOURS

00781	LAB	A	9-12	M W F	20	F	A	B	PRICE
00782	LAB	B	2-5	M W F	20	F	A	B	PRICE
00783	LAB	C	7-10PM	M W F	20	F	A	B	STAFF

ART 272 MATERIALS AND PROCESSES, II.
PREREQUISITE--ART 271.
3 HOURS

00784	LAB	A	9-12	M W F	20	F	A	B	PRICE
00785	LAB	B	2-5	M W F	20	F	A	B	PRICE
00786	LAB	C	7-10PM	M W F	20	F	A	B	STAFF

ART 275 INDUSTRIAL DESIGN, I.
PREREQUISITE--ART 134.
FIELD TRIP REQUIRED.
3 HOURS

00787	LAB	A	9-12	M W F	40	F	A	B	STAFF
00788	LAB	B	2-5	M W F	40	F	A	B	STAFF

ART 276 INDUSTRIAL DESIGN, II.
PREREQUISITE--ART 275.
FIELD TRIP REQUIRED.
3 HOURS

00789	LAB	A	9-12	M W F	40	F A B		STAFF
00790	LAB	B	2-5	M W F	40	F A B		STAFF

ART 277 ADVANCED INDUSTRIAL DESIGN, I.
PREREQUISITE--ART 276.
5 HOURS

00791	LAB	A	9-12	TU TH S	40	F A B		MCFARLAND
		A	2-5	TU TH	40	F A B		MCFARLAND
00792	LAB	B	9-12	TU TH S	12	F A B		STAFF
		B	2-5	TU TH	12	F A B		STAFF

ART 278 ADVANCED INDUSTRIAL DESIGN, II.
PREREQUISITE--ART 277.
5 HOURS

00793	LAB	A	9-12	TU TH S	40	F A B		MCFARLAND
		A	2-5	TU TH	40	F A B		MCFARLAND
00794	LAB	B	9-12	TU TH S	12	F A B		STAFF
		B	2-5	TU TH	12	F A B		STAFF

ART 281 FREEHAND DRAWING, V.
PREREQUISITE--ART 184.
2 HOURS

00795	LAB	A	8-11	TU TH	407	C E H		BETTS AND
00796	LAB	B	1-4	M W	405	C E H		STAFF
00797	LAB	C	1-4	TU TH	407	C E H		
00798	LAB	D	9-12	M F	407	C E H		
00799	LAB	E	9-12	TU TH	20A	ARCH		

ART 282 FREEHAND DRAWING, VI.
PREREQUISITE--ART 281.
2 HOURS

00800	LAB	A	8-11	TU TH	407	C E H		BETTS AND
00801	LAB	B	1-4	M W	405	C E H		STAFF
00802	LAB	C	1-4	TU TH	407	C E H		
00803	LAB	D	9-12	M F	407	C E H		
00804	LAB	E	9-12	TU TH	20A	ARCH		

ART 283 PRINTMAKING, I.
PREREQUISITE--JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
2 HOURS

00805	LAB	A	2-5	M F	GRAD	STUDIO		WICKS
00806	LAB	B	9-12	S	GRAD	STUDIO		CHESNEY
		B	7-10PM	TH	GRAD	STUDIO		CHESNEY

ART 284 PRINTMAKING, II.
PREREQUISITE--ART 283.
2 HOURS

00807	LAB	A	2-5	M F	GRAD	STUDIO		WICKS
00808	LAB	B	9-12	S	GRAD	STUDIO		CHESNEY
		B	7-10PM	TH	GRAD	STUDIO		CHESNEY

ART 285 LITHOGRAPHY, I.
PREREQUISITE--JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
2 HOURS

00809	LAB	A	2-5	TU TH	GRAD	STUDIO		BODNAR

ART 286 LITHOGRAPHY, II.
PREREQUISITE--ART 285.
2 HOURS

00810	LAB	A	2-5	TU TH	GRAD	STUDIO		BODNAR

ART 290 CERAMIC RAW MATERIALS.
PREREQUISITE--D. G. S. 141, 142, JUNIOR STANDING IN CURRICULUM IN CRAFTS--CERAMIC EMPHASIS.
3 HOURS

00811	LAB	A	9-12	M W F	152	MET	LAB	STAFF

ART 291 GLAZE CALCULATION.
PREREQUISITE--D. G. S. 141, 142, ART 290, JUNIOR STANDING IN CURRICULUM IN CRAFTS--CERAMIC EMPHASIS.
3 HOURS

00812	LAB	A	9-12	M W F	152	MET LAB	STAFF

ART 292 INTRODUCTION TO METAL DESIGN IN JEWELRY.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00813	LAB	A	9-12	M W F	24	D K H	VON NEUMANN

ART 293 DEVELOPMENT OF METAL DESIGN IN JEWELRY.
PREREQUISITE--ART 292.
3 HOURS

00814	LAB	A	9-12	M W F	24	D K H	VON NEUMANN

ART 294 CERAMIC DESIGN, I.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00815	LAB	A	9-12	M W F	152	MET LAB	STAFF

ART 295 CERAMIC DESIGN, II.
PREREQUISITE--ART 294.
3 HOURS

00816	LAB	A	9-12	M W F	152	MET LAB	STAFF

ART 296 DECORATIVE METAL TECHNIQUES.
PREREQUISITE--ART 293.
5 HOURS

00817	LAB	A	9-12	MTUWTHF	24	D K H	VON NEUMANN

ART 297 CONSTRUCTION OF HOLLOW AND FLATWARE IN SILVERSMITHING.
PREREQUISITE--ART 296.
5 HOURS

00818	LAB	A	9-12	MTUWTHF	24	D K H	VON NEUMANN

ART 298 CERAMIC DESIGN, III.
PREREQUISITE--ART 295.
5 HOURS

00819	LAB	A	9-12	MTUWTHF	152	MET LAB	STAFF

ART 299 CERAMIC DESIGN, IV.
PREREQUISITE--ART 298.
5 HOURS

00820	LAB	A	9-12	MTUWTHF	152	MET LAB	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ART 332 DRAWING.
PREREQUISITE--ART 126 OR EQUIVALENT. FOR GRADUATE STUDENTS, CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE.
2 HOURS, OR 1/2 TO 1 UNIT

00821	LAB	A	ARR		122	F A B	BRIGGS

ART 333 PAINTING.
PREREQUISITE--ART 142 OR EQUIVALENT, FOR GRADUATE STUDENTS, CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE. NOT OPEN TO CANDIDATES FOR M. F. A. IN PAINTING.
*COURSE MAY BE REPEATED FOR A TOTAL OF TWO UNITS.
*2 HOURS, OR 1/2 TO 1 UNIT

00822	LAB	A	ARR					DOOLITTLE

ART 351 ADVANCED SCULPTURE TECHNIQUES.
PREREQUISITE--ART 252 OR EQUIVALENT.
2 HOURS, OR 1/2 TO 1 UNIT

00823	LAB	A	ARR		25	F A B	GALLO

ART 383 PRINT MEDIA.
PREREQUISITE--ART 284 OR EQUIVALENT. FOR GRADUATE STUDENTS, CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE. NOT OPEN TO CANDIDATES FOR M.F.A. IN PAINTING.
2 HOURS, OR 1/2 TO 1 UNIT

00824	LAB	A	ARR		GRAD STUDIO		CHESNEY

ART 392 SILVERSMITHING, I.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

00825	LAB	A	ARR		24	D K H	VON NEUMANN

ART 393 SILVERSMITHING, II.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

00826	LAB	A	ARR		24	D K H	VON NEUMANN

ART 394 CERAMIC DESIGN.
PREREQUISITE--ART 295 OR CONSENT OF INSTRUCTOR.
2 TO 4 HOURS, OR 1/2 TO 2 UNITS

00827	LAB	A	ARR		152	MET LAB	STAFF

COURSES FOR GRADUATES

ART 450 STUDIES IN MODERN ART.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00828	LECT-DISC	A	4-6	TU	133	F A B	GOTTLIEB

ART 451 STUDIES IN AMERICAN ART.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00829	LECT-DISC	A	ARR		118	ARCH	ROOS

ART 467 ADVERTISING DESIGN LABORATORY.
PREREQUISITE--BACHELOR OF FINE ARTS DEGREE IN ADVERTISING DESIGN OR EQUIVALENT.
1 TO 2 UNITS

00830	LAB	A	ARR				PERLMAN

ART 477 INDUSTRIAL DESIGN LABORATORY.
PREREQUISITE--BACHELOR OF FINE ARTS DEGREE IN INDUSTRIAL DESIGN OR THE EQUIVALENT.
1 TO 2 UNITS

00831	LAB	A	ARR				SHIPLEY

ART 491 SPECIAL PROBLEMS.
1/2 TO 2 UNITS

00832	LAB	A	ARR				STAFF
00833	LAB	B	ARR				STAFF

ART 493 SEMINAR.
1 UNIT

00834	LECT-DISC	A	7-10PM	M	172	K M	ROOS AND PINNELL

ART 495 PAINTING LABORATORY.
1/2 TO 2 UNITS

00835	LAB		ARR		GRAD STUDIO		DIETEMANN, DOOLITTLE, AND ZIROLI

ART 497 PRINT WORKSHOP.
1/2 TO 2 UNITS

00836	LAB	A	ARR		GRAD STUDIO		CHESNEY

ASIAN STUDIES

DEPARTMENT OFFICE 109 L I R

STUDENTS OF THE UNIVERSITY WHO SEEK KNOWLEDGE OF EAST, SOUTHEAST, SOUTH, AND MIDDLE EAST ASIAN AFFAIRS AND CULTURES ARE INVITED TO CONSULT, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, WITH THE CHAIRMAN AND MEMBERS OF THE ASIAN STUDIES PROGRAM COMMITTEE IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. THE CHAIRMAN IS PROFESSOR SOLOMON B. LEVINE, INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS, ROOM 109.

BELOW ARE LISTED COURSES IN THE ASIAN STUDIES AREAS WHICH ARE BEING OFFERED THIS TERM. FOR FULL COURSE DESCRIPTIONS, CONSULT THE ENTRIES OF THE APPROPRIATE DEPARTMENTS.

AGRON 429	HIST 209
ANTH 368	HIST 213
ANTH 429	HIST 307
BURM 201	HIST 387
ECON 210	HIST 391
ECON 228	HIST 393
ECON 410	HIST 395
ECON 428	MUSIC 316
GEOG 351	POL S 241
GEOG 357	POL S 347
GEOG 369	POL S 348
GEOG 429	POL S 441
GEOG 495	SOC S 201

ASTRONOMY

DEPARTMENT OFFICE 108A OBSERVATORY

MAJOR--TWENTY HOURS IN ASTRONOMY.

MINOR--TWENTY HOURS WHICH MUST INCLUDE PHYSICS 106, 107, AND 108. THE REMAINING EIGHT HOURS MAY BE TAKEN IN PHYSICS OR IN ONE OF THE FOLLOWING SUBJECTS--CHEMISTRY, GEOLOGY, MATHEMATICS, PHILOSOPHY. IF TWO SUBJECTS ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH.

INDIVIDUAL INSTRUCTION IS PROVIDED FOR SUPERIOR UNDERGRADUATE STUDENTS AT HOURS TO BE ARRANGED.

COURSES FOR UNDERGRADUATES

ASTR 101 DESCRIPTIVE ASTRONOMY.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 210.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00837	LECT	A	1	M W F	223	G H
00838	DISC	A1	9	TU	104	OBSERV
00839	DISC	A2	10	TU	104	OBSERV
00840	DISC	A3	2	TU	104	OBSERV
00841	LECT	B	3	M W F	213	G H
00842	DISC	B1	11	TU	104	OBSERV
00843	DISC	B2	1	TU	104	OBSERV
00844	DISC	B3	3	TU	104	OBSERV

ASTR 102 DESCRIPTIVE ASTRONOMY.
PREREQUISITE--ASTR. 101.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 210.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00845	LECT		2	M W F	238	ADMIN
00846	DISC	A	11	TH	104	OBSERV
00847	DISC	B	1	TH	104	OBSERV

COURSES FOR ADVANCED UNDERGRADUATES

ASTR 210 GENERAL ASTRONOMY.
PREREQUISITE--ONE YEAR OF COLLEGE PHYSICS.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 101 OR ASTR. 102.
*3 HOURS

00848	LECT	1	M W F	66	LIB		

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ASTR 301 INTRODUCTORY ASTROPHYSICS.
PREREQUISITE--PHYCS. 108.
3 HOURS, OR 1 UNIT

00849	LECT	3	M W F	104	OBSERV		GUESS

ASTR 306 FOUNDATIONS OF MECHANICS AND GRAVITATIONAL THEORY.
SAME AS A.A.E. 306.
PREREQUISITE--MATH. 142 OR 143.
3 HOURS, OR 1 UNIT

00850	LECT	11	M W F	214	T B		

ASTR 357 RADIO ASTRONOMY.
SAME AS E. E. 357.
PREREQUISITE--PHYCS. 108.
3 HOURS, OR 1 UNIT

00851	LECT	10	M W F	104	OBSERV		STAFF

COURSES FOR GRADUATES

ASTR 415 EXPERIMENTAL METHODS IN RADIO ASTRONOMY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

00852	CONF	ARR					STAFF

ASTR 424 RELATIVITY AND COSMOLOGY.
SAME AS MATH. 460 AND PHYCS. 424.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

00853	LECT	2	M W F	104	OBSERV		MCVITTIE

ASTR 491 SEMINAR IN SPECIAL TOPICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 TO 4 UNITS

00854	LECT-DISC	2-4	TH	104	OBSERV		STAFF

ASTR 499 THESIS RESEARCH
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

00855	CONF	ARR					STAFF

DEPARTMENT OFFICE 318 C E H

COURSES OFFERED BY THE INSTITUTE OF AVIATION ARE OPEN TO STUDENTS AND FACULTY IN ALL DEPARTMENTS OF THE UNIVERSITY, SUBJECT TO LIMITATIONS IMPOSED BY THE AVAILABILITY OF SPACE AND EQUIPMENT. CREDIT FOR INSTITUTE OF AVIATION COURSES IS GENERAL UNIVERSITY CREDIT. HOWEVER, ITS USE AS CREDIT TOWARD GRADUATION IS A MATTER

THE FEE FOR EACH INSTITUTE OF AVIATION FLIGHT COURSE IS $350. ARRANGEMENT FOR THE PHYSICAL EXAMINATION FOR STUDENTS IN AVI. 101 ARE MADE BY THE INSTITUTE THROUGH THE UNIVERSITY HEALTH SERVICE UPON FINAL ACCEPTANCE IN THE PRIVATE PILOT COURSE AT REGISTRATION TIME. STUDENTS IN AVI. 104 ARE REQUIRED TO POSSESS A SECOND-CLASS F.A.A. MEDICAL CERTIFICATE DATED WITHIN THE PRECEDING TWELVE CALENDAR MONTHS.

BUS TRANSPORTATION BETWEEN THE CAMPUS AND AIRPORT IS PROVIDED FREE OF CHARGE TO ALL STUDENTS REGISTERED IN AVIATION COURSES. THE DAILY BUS SCHEDULE, WITH ROUTINGS, IS LISTED SEPARATELY IMMEDIATELY FOLLOWING THE FLIGHT COURSES. STUDENTS MAY PROVIDE THEIR OWN TRANSPORTATION IF THEY WISH. IN EITHER EVENT, ALL STUDENTS REGISTERING FOR AVIATION COURSES SHOULD SELECT THE APPROPRIATE TRANSPORTATION-TO-THE-AIRPORT SECTION TO AND THE APPROPRIATE TRANSPORTATION-TO-THE-CAMPUS SECTION TO IN ORDER TO AVOID CONFLICTS WITH ON-CAMPUS COURSES.

ALL STUDENTS PLANNING TO REGISTER FOR FLIGHT COURSES ARE CAUTIONED THAT THEY MUST HAVE FLIGHT SECTIONS APPROVED BY THE CHIEF FLIGHT INSTRUCTOR PRIOR TO ACTUAL REGISTRATION-OTHERWISE, CLOSED SECTIONS MAY FORCE WITHDRAWAL. THE CHIEF FLIGHT INSTRUCTOR MAY BE REACHED BY CALLING THE FLIGHT OPERATIONS OFFICE AT THE AIRPORT, TELEPHONE 822-5237.

COURSES FOR UNDERGRADUATES

AVI 102 AND 103, OR 103 AND 104, OR 104 AND 205 MAY BE TAKEN CONCURRENTLY BY SPECIAL PERMISSION.

AVI 101 PRIVATE PILOT.
3 HOURS

00856	LECT-DISC	A	8	TU TH S	423 C E H		MOELLER
00857	LECT-DISC	B	2	M W F	423 C E H		HAAK
00858	LECT-DISC	C	4	M W F	336 M E B		HAAK
00859	FLT	F1	8-930	M W F	AIRPORT		BENN AND STAFF
00860	FLT	F2	930-11	M W F	AIRPORT		
00861	FLT	F3	1230-2	M W F	AIRPORT		
00862	FLT	F4	2-330	M W F	AIRPORT		
00863	FLT	F5	330-5	M W F	AIRPORT		
00864	FLT	F6	8-930	TU TH S	AIRPORT		
00865	FLT	F7	930-11	TU TH S	AIRPORT		
00866	FLT	F8	1230-3	TU TH	AIRPORT		
00867	FLT	F9	3-530	TU TH	AIRPORT		

AVI 102 SECONDARY FLIGHT.
PREREQUISITE--AVI. 101 OR PRIVATE PILOT CERTIFICATE, CONSENT OF DIRECTOR.
3 HOURS

00868	LECT-DISC		3	M W F	423 C E H		MOELLER
00869	FLT	F1	8-930	M W F	AIRPORT		GORDON AND
00870	FLT	F2	930-11	M W F	AIRPORT		STAFF
00871	FLT	F3	1230-2	M W F	AIRPORT		
00872	FLT	F6	8-930	TU TH S	AIRPORT		
00873	FLT	F7	930-11	TU TH S	AIRPORT		
00874	FLT	F8	1230-3	TU TH	AIRPORT		
00875	FLT	F9	3-530	TU TH	AIRPORT		

AVI 103 INTERMEDIATE FLIGHT.
PREREQUISITE--AVI. 101 OR PRIVATE PILOT CERTIFICATE, CONSENT OF DIRECTOR.
3 HOURS

00876	LECT-DISC		8	M	W	F	423	C	E	H		MOELLER
00877	FLT	X2	1-5	M			AIRPORT					GORDON AND
00878	FLT	X3	8-12		TU		AIRPORT					STAFF
00879	FLT	X6	1-5			W	AIRPORT					
00880	FLT	X7	8-12			TH	AIRPORT					
00881	FLT	X10	1-5			F	AIRPORT					
00882	FLT	X11	8-12			S	AIRPORT					

AVI 104 ADVANCED FLIGHT.
PREREQUISITE--AVI. 102 AND 103, CONSENT OF DIRECTOR.
3 HOURS

00883	LECT-DISC		9	M	W	F	423	C	E	H		MOELLER
00884	FLT	F3	1230-2	M	W	F	AIRPORT					GORDON AND
00885	FLT	F4	2-330	M	W	F	AIRPORT					STAFF
00886	FLT	F6	8-930		TU	TH S	AIRPORT					
00887	FLT	F7	930-11		TU	TH S	AIRPORT					
00888	FLT	F8	1230-3		TU	TH	AIRPORT					
00889	FLT	F9	3-350		TU	TH	AIRPORT					

COURSES FOR ADVANCED UNDERGRADUATES

AVI 205 FLIGHT INSTRUCTOR.
PREREQUISITE--COMMERCIAL PILOT CERTIFICATE, JUNIOR STANDING, CONSENT OF DIRECTOR.
3 HOURS

00890	LECT-DISC		1030-1145		TU	TH	423	C	E	H		HAAK
00891	FLT	F1	8-930	M	W	F	AIRPORT					ANDERSON AND
00892	FLT	F2	930-11	M	W	F	AIRPORT					STAFF
00893	FLT	F3	1230-2	M	W	F	AIRPORT					
00894	FLT	F4	2-330	M	W	F	AIRPORT					
00895	FLT	F5	330-5	M	W	F	AIRPORT					
00896	FLT	F6	8-930		TU	TH S	AIRPORT					
00897	FLT	F8	1230-3		TU	TH	AIRPORT					
00898	FLT	F9	3-530		TU	TH	AIRPORT					

AVI 206 BASIC INSTRUMENT FLIGHT TECHNIQUES.
PREREQUISITE--COMMERCIAL PILOT CERTIFICATE, OR EQUIVALENT FLIGHT EXPERIENCE, JUNIOR STANDING, CONSENT OF DIRECTOR.

00899	LECT-DISC		8	M	W	F	136	M	E	B		HAAK
00900	FLT	F2	930-11	M	W	F	AIRPORT					ANDERSON
00901	FLT	F3	1230-2	M	W	F	AIRPORT					AND STAFF
00902	FLT	F4	2-330	M	W	F	AIRPORT					
00903	FLT	F5	330-5	M	W	F	AIRPORT					
00904	FLT	F6	8-930		TU	TH S	AIRPORT					
00905	FLT	F7	930-11		TU	TH S	AIRPORT					
00906	FLT	F8	1230-3		TU	TH	AIRPORT					
00907	FLT	F9	3-530		TU	TH	AIRPORT					

AVI 292 SPECIAL RATING--MULTI-ENGINE LAND.
PREREQUISITE--COMMERCIAL PILOT CERTIFICATE, CONSENT OF DIRECTOR.
1 HOUR

00908	DISC		ARR				AIRPORT					STONECIPHER
00909	FLT	F1	8-930	M	W	F	AIRPORT					AND STAFF
00910	FLT	F2	930-11	M	W	F	AIRPORT					
00911	FLT	F3	1230-2	M	W	F	AIRPORT					
00912	FLT	F4	2-330	M	W	F	AIRPORT					
00913	FLT	F5	330-5	M	W	F	AIRPORT					
00914	FLT	F6	8-930		TU	TH S	AIRPORT					
00915	FLT	F7	930-11		TU	TH S	AIRPORT					
00916	FLT	F8	1230-3		TU	TH	AIRPORT					
00917	FLT	F9	3-530		TU	TH	AIRPORT					

BUS SCHEDULE AND ROUTE

THE INSTITUTE OF AVIATION BUS MAKES REGULAR TRIPS BETWEEN THE AIRPORT AND THE CAMPUS BEGINNING ON THE FIRST DAY OF CLASSES AND CONTINUING THROUGH THE LAST DAY OF FINAL EXAMINATIONS. ON THE FIRST TRIP TO THE CAMPUS EACH MORNING THE BUS IS ROUTED VIA THE ORCHARD DOWNS HOUSING UNITS AND THE PENNSYLVANIA AVE. RESIDENCE HALLS. THE BUS LEAVES FROM THE CAMPUS PARKING LOCATION AT THE NORTH EAST CORNER OF AERO LAB B, AND MAKES REGULAR STOPS ON THE WAY TO THE AIRPORT AT THE CORNERS OF SIXTH AND ARMORY STREETS, FOURTH STREET AND GREGORY DRIVE, AND FIRST STREET AND GREGORY DRIVE. THE TRIP FROM THE AIRPORT BACK TO THE CAMPUS IS VIA GREGORY DRIVE AND GOODWIN AVENUE TO THE PARKING LOCATION. THE SCHEDULE IS AS FOLLOWS--

MONDAY-WEDNESDAY-FRIDAY

LEAVE CAMPUS-ARRIVE AIRPORT			LEAVE AIRPORT-ARRIVE CAMPUS		
SECT.			SECT.		
TA1	7.30	8.00	TC1	8.30	9.00
TA2	9.00	9.30	TC2	9.30	10.00
TA3	10.00	10.30	TC3	11.00	11.30
TA4	12.00	12.30PM	TC4	12.30PM	1.00PM
TA5	1.00PM	1.30	TC5	1.30	2.00
TA6	2.00	2.30	TC6	2.30	3.00
TA7	3.00	3.30	TC7	3.30	4.00
TA8	4.00	4.30	TC8	5.00	5.30
TA9	5.30	6.00			

TUESDAY-THURSDAY-SATURDAY

SECT.			SECT.		
TA10	7.30	8.00	TC9	8.30	9.00
TA11	9.00	9.30	TC10	9.30	10.00
TA12	10.00	10.30	TC11	11.00	11.30
TA13	12.00	12.30PM	TC12	12.30PM	1.00PM
TA14	1.00	1.30	TC13	1.30	2.00
TA15	2.00	2.30	TC14	2.30	3.00
TA16	3.00	3.30	TC15	3.30	4.00
TA17	4.00	4.30	TC16	5.30	6.00
TA18	6.00	6.30			

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00918          TA1   730-8       M  W  F  CAMPUS
00919          TA2     9-930     M  W  F  CAMPUS
00920          TA3    10-1030    M  W  F  CAMPUS
00921          TA4    12-1230    M  W  F  CAMPUS
00922          TA5     1-130     M  W  F  CAMPUS
00923          TA6     2-230     M  W  F  CAMPUS
00924          TA7     3-330     M  W  F  CAMPUS
00925          TA8     4-430     M  W  F  CAMPUS
00926          TA9   530-6       M  W  F  CAMPUS
00927          TC1   830-9       M  W  F  AIRPORT
00928          TC2   930-10      M  W  F  AIRPORT
00929          TC3    11-1130    M  W  F  AIRPORT
00930          TC4  1230-1       M  W  F  AIRPORT
00931          TC5   130-2       M  W  F  AIRPORT
00932          TC6   230-3       M  W  F  AIRPORT
00933          TC7   330-4       M  W  F  AIRPORT
00934          TC8     5-530     M  W  F  AIRPORT
00935          TAA   730-8       TU TH S  CAMPUS
00936          TAB     9-930     TU TH S  CAMPUS
00937          TAC    10-1030    TU TH S  CAMPUS
00938          TAD    12-1230    TU TH S  CAMPUS
00939          TAE     1-130     TU TH S  CAMPUS
00940          TAF     2-230     TU TH S  CAMPUS
00941          TAG     3-330     TU TH S  CAMPUS
00942          TAH     4-430     TU TH S  CAMPUS
00943          TAI     6-630     TU TH S  CAMPUS
00944          TCA   830-9       TU TH S  AIRPORT
00945          TCB   930-10      TU TH S  AIRPORT
00946          TCC    11-1130    TU TH S  AIRPORT
00947          TCD  1230-1       TU TH S  AIRPORT
00948          TCE   130-2       TU TH S  AIRPORT
00949          TCF   230-3       TU TH S  AIRPORT
00950          TCG   330-4       TU TH S  AIRPORT
00951          TCH   530-6       TU TH S  AIRPORT
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AVI 151 APPLIED AIRCRAFT PHYSICS.
3 HOURS

00952	LECT-DISC	A	8-915	TU TH	Q34	AIRPORT	TRULOCK
00953	LECT-DISC	B	1230-120	M W F	Q34	AIRPORT	MYLIN

AVI 153 AIRCRAFT SHOP PRACTICE.
3 HOURS

00954	LECT	A	1230-120	W	Q34	AIRPORT	MYLIN
00954	LAB	A	1230-120	M F	Q75	AIRPORT	MYLIN, BAILEY
00955	LECT	B	1230-120	TU	Q34	AIRPORT	MYLIN
00955	LAB	B	1230-120	TH	Q34	AIRPORT	MYLIN, BAILEY

AVI 157 AIRCRAFT ENGINE THEORY AND PRACTICE.
6 HOURS

00956	LECT	A	10-12	M W F	Q34	AIRPORT	BAILEY
00956	LAB	A	8-10	M W F	Q34	AIRPORT	BAILEY
		A	930-12	TU TH	Q34	AIRPORT	
00957	LECT	B	10-12	M W F	Q49	AIRPORT	MYLIN
00957	LAB	B	8-10	M W F	Q49	AIRPORT	MYLIN
		B	930-12	TU TH	Q49	AIRPORT	
00958	LECT	C	10-12	M W F	Q71	AIRPORT	TRULOCK
00958	LAB	C	3-5	M W F	Q71	AIRPORT	TRULOCK
		C	130-5	TU	Q71	AIRPORT	
		C	230-5	TH	Q71	AIRPORT	
00959	LECT	D	10-12	M W F		AIRPORT	ELKINS
00959	LAB	D	3-5	M W F		AIRPORT	ELKINS
		D	130-5	TU		AIRPORT	
		D	230-5	TH		AIRPORT	

AVI 161 AIRPORT SHOP MANAGEMENT.
3 HOURS

00960	LECT-DISC		330-5	TU TH	Q34	AIRPORT	BAILEY

AVI 163 AIRCRAFT STRUCTURAL MATERIALS.
2 HOURS

00961	LECT-DISC	A	930-1020	M W F	Q8	AIRPORT	APPLEGATE
00961	LAB	A	1030-12	M W F	Q8	AIRPORT	APPLEGATE
		A	8-12	TU TH	Q8	AIRPORT	
00962	LECT-DISC	B	1	M W F	Q8	AIRPORT	LINDER
00962	LAB	B	2-5	M W F	Q8	AIRPORT	LINDER
		B	1230-2	TU TH	Q8	AIRPORT	
		B	1030-1120	W	Q8	AIRPORT	
00963	LECT-DISC	C	930-1020	M W F	Q8	AIRPORT	ELKINS
00963	LAB	C	1030-12	M W F	Q8	AIRPORT	ELKINS
		C	8-12	TU TH	Q8	AIRPORT	

AVI 165 AIRCRAFT STRUCTURAL REPAIR.
3 HOURS

00964	LAB	A	1	MTUWTHF	Q8	AIRPORT	APPLEGATE
00965	LAB	B	1130-1220	M W F	Q8	AIRPORT	LINDER
		B	2	TU TH	Q8	AIRPORT	
00966	LAB	C	3-5	M F	Q8	AIRPORT	ELKINS
		C	4	W	Q8	AIRPORT	

AVI 167 AIRCRAFT FABRICATING PROCESSES.
2 HOURS
NOTE--A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 167 MUST ALSO REGISTER FOR THE SAME SECTION IN AVI. 163 AND AVI. 171.

00967	LECT-DISC	A	ARR		Q8	AIRPORT	APPLEGATE
00967	LAB	A	ARR		Q8	AIRPORT	
00968	LECT-DISC	B	ARR		Q8	AIRPORT	LINDER
00968	LAB	B	ARR		Q8	AIRPORT	
00969	LECT-DISC	C	ARR		Q8	AIRPORT	ELKINS
00969	LAB	C	ARR		Q8	AIRPORT	

AVI 171 NON-STRUCTURAL AIRCRAFT MATERIALS.
3 HOURS
NOTE--A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 171 MUST ALSO REGISTER FOR THE SAME SECTION IN AVI. 163 AND AVI. 167.

00969	LECT-DISC	A	ARR		Q8 AIRPORT	APPLEGATE
00970	LAB	A	ARR		Q8 AIRPORT	
00971	LECT-DISC	B	ARR		Q8 AIRPORT	LINDER
00971	LAB	B	ARR		Q8 AIRPORT	
00972	LECT-DISC	C	ARR		Q8 AIRPORT	ELKINS
00972	LAB	C	ARR		Q8 AIRPORT	

AVI 173 AIRCRAFT RADIO AND INSTRUMENTS.
2 HOURS

00973	LECT-DISC	A	2	TU TH	Q8 AIRPORT	APPLEGATE
00974	LECT-DISC	B	1030-1120	M F	Q8 AIRPORT	LINDER
00975	LECT-DISC	C	2	M	Q8 AIRPORT	ELKINS
		C	3	W	Q8 AIRPORT	

AVI 181 INTRODUCTION TO ELECTRONIC THEORY AND PRACTICE.
3 HOURS

00976	LAB-DISC	3-5	M W F	Q49 AIRPORT	ROHRER

AVI 182 BASIC ELECTRONIC THEORY.
PREREQUISITE--AVI. 181.
3 HOURS

00977	LAB-DISC	1-3	M W F	Q49 AIRPORT	ROHRER

AVI 183 ADVANCED ELECTRONIC THEORY.
PREREQUISITE--AVI. 182.
3 HOURS

00978	LAB-DISC	1-4	TU TH	Q49 AIRPORT	ROHRER

AVI 185 AIRCRAFT ELECTRICAL SYSTEMS.
PREREQUISITE--AVI. 181.
5 HOURS

00979	LAB-DISC	10-12	MTUWTHF	Q49 AIRPORT	ROHRER

BANDS

DEPARTMENT OFFICE 140 BAND

THE FOLLOWING COURSES ARE OPEN TO STUDENTS WHO HAVE BEEN ACCEPTED BY EXAMINATION FOR MEMBERSHIP IN ONE OF THE UNIVERSITY BANDS--CONCERT BAND, FIRST REGIMENTAL BAND, SECOND REGIMENTAL BAND--SECTION A OR SECTION B. ASSIGNMENTS ARE MADE ACCORDING TO PROFICIENCY AND INSTRUMENTATION COMPLETION OF THE COURSES INVOLVES, IN ADDITION TO THE SCHEDULE OF REHEARSALS, PARTICIPATION IN THE PUBLIC APPEARANCES OF THE BANDS.

NEW STUDENTS SHOULD MAKE APPOINTMENTS FOR AUDITIONS AT THE BANDS OFFICE BEFORE OR AT THE BEGINNING OF REGISTRATION WEEK. THOSE WHO ARE ACCEPTED WILL BE GIVEN BAND REGISTRATION PERMITS, WITH INDICATION OF THE COURSE NUMBER, THE BAND TO WHICH ASSIGNED, AND THE REHEARSAL DAYS AND HOURS--TWO OR THREE TIMES A WEEK.

ALL MEMBERS MUST REGISTER AND SECURE CLASS CARDS FROM THE BANDS OFFICE.

DIRECTOR HINDSLEY, ASSISTANT DIRECTOR KISINGER, ASSISTANT TO THE DIRECTOR DUKER, MR. SEXTON, MR. MCKENZIE.

COURSES FOR UNDERGRADUATES

BAND 101 FRESHMAN BAND.
NO CREDIT

BAND 103 SOPHOMORE BAND
NO CREDIT

COURSES FOR ADVANCED UNDERGRADUATES

BAND 201 JUNIOR BAND
NO CREDIT

BAND 203 SENIOR BAND
NO CREDIT

REHEARSAL SCHEDULE

CONCERT BAND--400 TO 530 TT

FIRST REGIMENTAL BAND--400 TO 530 MW

SECOND REGIMENTAL BAND--SECTION A, 100 MWF
SECOND REGIMENTAL BAND--SECTION B, 200 MWF

ALL REHEARSALS IN ROOM 141 BAND BUILDING.

BIOLOGY

DEPARTMENT OFFICE 131 BURRILL HALL

COURSES FOR ADVANCED UNDERGRADUATES

BIO 203 HONORS SEMINAR.
PREREQUISITE--JUNIOR OR SENIOR STANDING, 4.0 CUMULATIVE AVERAGE, 2 COURSES IN BIOLOGY AND CONSENT OF INSTRUCTOR.
1 HOUR

00984	LECT	&	ARR		M				NANCE AND STAFF

BIO 251 THE ORGANISM.
PREREQUISITE--BIO. 151.
5 HOURS

00985	LECT		11	M	W	F	241	N H B	WILLIS
00985	LAB		1-5			F	246	BUR HALL	WILLIS

BIOL 351 POPULATION BIOLOGY.
PREREQUISITE--BIO. 151 AND 251.
3 HOURS, OR 3/4 UNIT

BIOL 423 ELECTRON MICROSCOPY.
SAME AS CHEM. AND ZOOL. 423.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENT WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS AND MATHEMATICS.
1/4 UNIT

00986	LECT		4PM	M	282	BEV HALL	HALL

BIOL 429 ELECTRON MICROSCOPY LABORATORY.
SAME AS CHEM. AND ZOOL. 429.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENTS WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS, AND MATHEMATICS, CREDIT OR REGISTRATION IN BIOL. 423, CONSENT OF INSTRUCTOR.
1/2 OR 3/4 UNIT

00987	DISC	4	W	282	BEV HALL	HALL AND
00987	LAB	ARR		97	BEV HALL	ASSISTANTS

BIOPHYSICS

DEPARTMENT OFFICE 524 BURRILL HALL

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BIOPH 301 INTRODUCTION TO BIOPHYSICS.
PREREQUISITE--EIGHT HOURS OF GENERAL PHYSICS OR ENROLLMENT IN GRADUATE BIOPHYSICS PROGRAM.
3 HOURS, OR 3/4 UNIT

00988	DISC	4	TU TH	136	BUR HALL	ABBOTT RABINOWITCH DUNN

COURSES FOR GRADUATES

BIOPH 401 ADVANCED BIOPHYSICS, 1.
PREREQUISITE--ONE YEAR OF PHYSICS BEYOND INTRODUCTORY PHYSICS OR EQUIVALENT, CALCULUS, PHYSICAL CHEMISTRY, OR CONSENT OF INSTRUCTOR.
1 UNIT

00989	LECT	11	TU TH S	140	BUR HALL	STAFF

BIOPH 410 SPECIAL TOPICS IN BIOPHYSICS.
PREREQUISITE--BIOPH. 401 OR EQUIVALENT, BIOPH. 402 AND 403.
1/2 TO 1 UNIT

00990	DISC	ARR				STAFF

BIOPH 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

00991	CONF	ARR				STAFF

BOTANY

DEPARTMENT OFFICE 208 NHB

MAJOR--TWENTY HOURS OF BOTANY EXCLUDING BOTANY 100, 101, D.G.S. 131, AND 132, BUT INCLUDING BOT. 160, 302,303, AND 330 OR THEIR EQUIVALENT. THE BALANCE OF THE MINIMUM OF TWENTY HOURS MUST BE TAKEN IN OTHER 300 LEVEL COURSES. BOT. 210 AND 381 ARE STRONGLY RECOMMENDED. IN ADDITION ONE SEMESTER EACH OF ORGANIC CHEMISTRY, PHYSICS AND ZOOLOGY WILL BE REQUIRED. ONE ADDITIONAL SEMESTER OF PHYSICAL SCIENCE IS ALSO REQUIRED, BUT THIS MAY BE SELECTED FROM COURSES IN PHYSICS OR GEOLOGY. CREDIT NOT TO EXCEED TWO HOURS IN BIOL. 203 AND 204 MAY BE INCLUDED IN THE TWENTY HOURS OF CREDIT FOR THE MAJOR.

MINORS--TWENTY HOURS IN ONE OR TWO SUBJECTS CHOSEN IN CONSULTATION WITH THE CHAIRMAN OF THE DEPARTMENT FROM THE FOLLOWING--AGRONOMY, CHEMISTRY, ENTOMOLOGY, GEOGRAPHY, GEOLOGY, HORTICULTURE, MATHEMATICS MICROBIOLOGY, PHYSICS, PHYSIOLOGY, PLANT PATHOLOGY, AND ZOOLOGY. AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH SUBJECT IF TWO ARE CHOSEN.

IF HORTICULTURE IS CHOSEN AS A MINOR, NOT MORE THAN TEN HOURS MAY BE COUNTED. THE TEN HOURS MAY BE CHOSEN FROM HORT. 100, 110, 121, 201, 230 OR 233, 242, 262, 307 OR 308, 321 OR 322, 367, AND 382.

NOTE--ATTENTION IS CALLED TO ADDITIONAL COURSE OFFERINGS LISTED UNDER BIOLOGY.

COURSES FOR UNDERGRADUATES

BOT 100 GENERAL BOTANY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00992	LECT	1	9	TU TH	228	N H B	BLISS,
00993	LECT	2	11	TU TH	228	N H B	CAROTHERS, HOFFMAN PAOLILLO
00994	LAB	A	8-10	M W	258	N H B	
00995	LAB	B	10-12	M W	258	N H B	
00996	LAB	C	1-3	M W	258	N H B	
00997	LAB	D	3-5	M W	258	N H B	
00998	LAB	E	8-10	TU TH	258	N H B	
00999	LAB	F	10-12	TU TH	258	N H B	
01000	LAB	G	1-3	TU TH	258	N H B	
01001	LAB	H	3-5	TU TH	258	N H B	

BOT 101 GENERAL BOTANY FOR SELECTED STUDENTS.
5 HOURS

01002	LAB-DISC	&A	1-3	M W F	204	N H B	STAFF
01003	LAB-DISC	&B	1-4	TU TH	204	N H B	ROGERS

BOT 120 SURVEY OF THE PLANT KINGDOM.
PREREQUISITE--BOT. 100, OR D G S 131 AND 132.
3 HOURS

01004	LAB-DISC		8-10	M W F	408	N H B	STEWART

COURSES FOR ADVANCED UNDERGRADUATES

BOT 210 GENETICS.
SAME AS ZOOL. 210
PREREQUISITE--BOT. 100 AND ZOOL. 101 OR CONSENT OF INSTRUCTOR.
4 HOURS

01005	LECT		2	M W F	124	BUR HALL	LAUGHNAN,
01006	LAB-DISC	1	8-10	TU	405	N H B	KITZMILLER,
01007	LAB-DISC	2	8-10	W	405	N H B	LUCE, NANNEY
01008	LAB-DISC	3	10-12	W	405	N H B	
01009	LAB-DISC	4	8-10	TH	405	N H B	
01010	LAB-DISC	5	8-10	F	405	N H B	
01011	LAB-DISC	6	10-12	F	405	N H B	

BOT 230 INTRODUCTORY PLANT PHYSIOLOGY.
PREREQUISITE--ONE YEAR OF BIOLOGY INCLUDING BOT. 100 OR EQUIVALENT AND GENERAL CHEMISTRY.
3 HOURS

01012	LECT		9	M W F	241	N H B	NANCE, GOVINDJEE

BOT 231 INTRODUCTORY PLANT PHYSIOLOGY LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN BOT. 230 OR EQUIVALENT.
2 HOURS

01013	LAB	A	10-12	M W	153	N H B	GOVINDJEE
01014	LAB	B	10-12	TU TH	153	N H B	GOVINDJEE

BOT 293 HONORS.
PREREQUISITE--FIFTEEN HOURS OF BOTANY, SENIOR STANDING.
2 HOURS

01015	CONF	&	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BOT 300 INDIVIDUAL TOPICS.
PREREQUISITE--BOT. 100, TEN HOURS OF ADVANCED WORK IN BOTANY OR ANOTHER BIOLOGICAL SCIENCE, SENIOR STANDING.
*GRADUATE STUDENTS MAY OFFER 1 UNIT TOWARD M. S.
*2 TO 5 HOURS, OR 1/4 OR 1/2 UNIT

01016	CONF	ARR				STAFF

BOT 301 PLANT PATHOLOGY.
SAME AS PL. PA. 301.
PREREQUISITE--ONE YEAR OF PLANT SCIENCE, INCLUDING BOT. 100.
4 HOURS, OR 1 UNIT

01017	LECT	8	TU TH	408	N H B	BLACK
01017	LAB	9-11	TU TH	408	N H B	BLACK

BOT 302 COMPARATIVE MORPHOLOGY--NONVASCULAR PLANTS.
PREREQUISITE--BOT. 100 OR D. G. S. 131 AND 132, OR EQUIVALENT.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN BOT. 304.
*3 HOURS, OR 1/2 UNIT

01018	LECT	10	M F	201	H H	HOFFMAN, ROGER
01018	LAB	10-12	W	201	H H	AND STEWART

BOT 306 BIOLOGY FOR TEACHERS.
SAME AS ZOOL. 306.
ADJUSTED TO PRACTICE TEACHING.
PREREQUISITE--BOT. 100, ZOOL. 101 OR 104, OR A ONE-YEAR COURSE IN GENERAL BIOLOGY, JUNIOR STANDING, EXPECTATION OF TEACHING.
FIELD TRIPS--2 TO 4 HOUR TRIPS ON SATURDAY.
*FOUR ADDITIONAL CLASS MEETINGS TO BE ARRANGED.

01019	LAB-DISC	3-5	TU F	4G	EDUC	STEWART
01019	LECT	3-5	TH	4G	EDUC	

BOT 340 HISTOLOGICAL TECHNIC.
PREREQUISITE--ONE YEAR OF BOTANY OR TEN HOURS OF ZOOLOGY OR CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

01020	LAB-DISC	1-4	TU TH	206	H H	PAOLILLO

BOT 345 PLANT ANATOMY.
PREREQUISITE--ONE YEAR OF BOTANY.
4 HOURS, OR 1 UNIT

01021	LAB-DISC	1-4	M W	201	H H	CAROTHERS

BOT 381 PLANT ECOLOGY.
PREREQUISITE--BOT. 160 OR EQUIVALENT.
FIELD TRIPS.
5 HOURS, OR 1 UNIT

01022	LECT	9	M W F	136	BUR HALL	BLISS

COURSES FOR GRADUATES

BOT 410 BOTANY DISCUSSIONS.
*NO CREDIT GIVEN EXCEPT FOR STUDENTS PRESENTING RESULTS OF THEIR PH. D. THESIS RESEARCH.
*0 OR 1/4 UNIT

01023	LECT	4	TU	408	N H B	STAFF

BOT 411 DISCUSSIONS IN GENETICS AND CYTOGENETICS.
SAME AS ZOOL. 411.
1/4 UNIT
*MEETS FIRST AND THIRD MONDAYS AND SECOND AND FOURTH WEDNESDAYS.

01024	DISC	*4	M W	416	N H B	LAUGHNAN, STEFFENSEN, BADER, KITZMILLER, LUCE, NANNEY

BOT 413 DISCUSSIONS IN PLANT PHYSIOLOGY.
1/4 UNIT

01025	LECT	8PM	TU	123	BUR HALL	NANCE

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BOT   414     DISCUSSIONS IN PLANT MORPHOLOGY AND TAXONOMY.
        1/4 UNIT
      01026    LECT                4            W       201  H H            STAFF

BOT   416     DISCUSSIONS IN PLANT ECOLOGY AND PLANT GEOGRAPHY.
        PREREQUISITE--GRADUATE STANDING IN BOTANY, ENTOMOLOGY, GEOGRAPHY,
        OR ZOOLOGY.
        1/4 UNIT
      01027    LECT              ARR                     216  N H B          BLISS

BOT   419     DISCUSSIONS IN PHOTOSYNTHESIS AND RELATED TOPICS.
        PREREQUISITE--CONSENT OF INSTRUCTOR.
        1/4 UNIT
      01028    LECT              ARR                     416  N H B          GOVINDJEE,
                                                                             RABINOWITCH

BOT   420     CYTOLOGY AND CELL PHYSIOLOGY.
        PREREQUISITE--CONSENT OF INSTRUCTOR.
        1 UNIT
      01029    LECT               10         M  W  F    241  N H B          STEFFENSEN,
                                                                             STERN

BOT   427     DISCUSSIONS IN MYCOLOGY.
        PREREQUISITE--CONSENT OF INSTRUCTOR.
        1/4 UNIT
      01030    LECT-DISC          4            W       408  N H B          ROGERS

BOT   431     LABORATORY IN CYTOLOGICAL AND CELLULAR TECHNIQUES.
              SAME AS ZOOL. 431.
        PREREQUISITE--CONCURRENT REGISTRATION IN BOT. 420 AND CONSENT
        OF INSTRUCTOR.
        1/2 UNIT
      01031    LAB                1-5        M          405  N H B          STEFFENSEN,
                                                                             STERN

BOT   433     ADVANCED PHYSIOLOGY OF GROWTH, RESPONSES, AND REPRODUCTION.
        PREREQUISITE--BOT. 330 OR EQUIVALENT.
        1 UNIT
      01032    LECT               8          M  W  F    201  H H            HANSON,
                                                                             MCCULLUM,
                                                                             NANCE, WILSON

BOT   471     ADVANCED MYCOLOGY--SPECIAL GROUPS.
        PREREQUISITE--BOT. 372 OR CONSENT OF INSTRUCTOR.
        1/2 UNIT
      01033    LAB-DISC          ARR                     306  N H B          ROGERS

BOT   493     ADVANCED STUDIES IN BOTANY.
        * NOT MORE THAN 1 UNIT MAY BE APPLIED TOWARD THE GRADUATE
        COLLEGE M.S. DEGREE REQUIREMENT OF 3 UNITS OF COURSE WORK.
        *1/2 TO 2 UNITS
        WORK MAY BE TAKEN IN THE FOLLOWING FIELDS--
              A--ANATOMY--PLANT                          CAROTHERS, PAOLILLO
              B--CYTOGENETICS                            STEFFENSEN
              C--CYTOLOGY                                STEFFENSEN
              D--ECOLOGY--PLANT                          BLISS
              E--GENETICS--PLANT                         LAUGHNAN
              F--MORPHOLOGY--HIGHER VASCULAR PLANTS      CAROTHERS, PAOLILLO
              G--MORPHOLOGY--PRIMITIVE VASCULAR PLANTS   STEWART
              H--MYCOLOGY                                ROGERS
              I--PALEOBOTANY                             STEWART, PHILLIPS
              J--PHOTOSYNTHESIS                          RABINOWITCH,
                                                         GOVINDJEE
              K--PHYCOLOGY                               HOFFMAN
              L--PHYSIOLOGY--PLANT                       NANCE, STERN
              M--TAXONOMY OF BRYOPHYTES                  JONES
                    N--TAXONOMY OF VASCULAR PLANTS       JONES
              O--VIROLOGY--PLANT                         BLACK
      01034    LAB               ARR                                          STAFF

BOT   499     THESIS RESEARCH.
        0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
      01035    LAB               ARR                                          STAFF
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BURMESE

BURM 201 ELEMENTARY BURMESE, I.
4 HOURS
•ONE ADDITIONAL HOUR TO BE ARRANGED
01036 LECT-DISC •9 M W F 123 M H LEHMAN

BUSINESS

DEPARTMENT OFFICE 3178 D K H

COURSES FOR GRADUATES

BUS 499 THESIS RESEARCH
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01037 CONF 4-6 F 240 COM W DEMARIS

BUSINESS ADMINISTRATION

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION--214 DAVID KINLEY HALL

COURSES FOR UNDERGRADUATES

B ADM 110 BUSINESS ADMINISTRATION HONORS.
OPEN ONLY TO JAMES SCHOLARS AND PARTICIPANTS IN THE PROGRAM FOR SUPERIOR STUDENTS IN THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION.
2 HOURS
01038 DISC E 1-3 TU 2158 D K H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

B ADM 373 ELECTRONIC DATA PROCESSING FOR BUSINESS.
PREREQUISITE--ECON. 170, ACCY. 106 OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01039 DISC C 10 M W F 236 COM W
01040 DISC D 11 M W F 236 COM W

COURSES FOR GRADUATES

B ADM 500 BUSINESS ECONOMICS.
PREREQUISITE--ENROLLMENT IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT
01041 DISC 8-10 M TH 241 COM W

B ADM 501 MANAGERIAL ECONOMICS.
PREREQUISITE--B. ADM. 500 OR EQUIVALENT.
3/4 UNIT
LABORATORY SESSIONS TO BE ARRANGED.
01042 DISC 3-5 M TH 241 COM W

B ADM 510 ADMINISTRATIVE BEHAVIOR.
PREREQUISITE--REGISTRATION IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT
LABORATORY SESSIONS TO BE ARRANGED
01043 DISC 8-10 TU F 241 COM W

B ADM 512 BUSINESS ORGANIZATION AND ITS ENVIRONMENT.
PREREQUISITE--B. ADM. 511.
3/4 UNIT
01044 DISC 3-5 TU F 241 COM W

B ADM 520 MARKETING.
PREREQUISITE--REGISTRATION IN THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT
01045 DISC 10-12 M TH 241 COM W

B ADM 522 QUANTITATIVE ANALYSIS FOR MARKETING DECISIONS.
PREREQUISITE--B.ADM. 520 OR CONSENT OF INSTRUCTOR.
3/4 UNIT
01046 DISC 1-3 M TH 91 COM W

B ADM 527 SEMINAR IN MARKETING THEORY AND POLICY.
3/4 UNIT
01047 DISC 9-12 W 91 COM W

B ADM 532 PRODUCTION PLANNING AND CONTROL.
PREREQUISITE--FIRST YEAR OF THE M.B.A. PROGRAM.
3/4 UNIT
01048 DISC 8-10 TU F 226 COM W

B ADM 540 WRITTEN ANALYSIS, I.
1/2 UNIT
01049 DISC 1-3 M TH 241 COM W

B ADM 541 WRITTEN ANALYSIS, II.
PREREQUISITE--B.ADM. 540 OR CONSENT OF INSTRUCTOR.
1/2 UNIT
LABORATORY SESSIONS TO BE ARRANGED.
01050 DISC 8-10 W 226 COM W

B ADM 552 FINANCIAL MANAGEMENT AND CONTROL, I.
PREREQUISITE--B. ADM. 551.
3/4 UNIT
01051 DISC 8-10 M TH 226 COM W

B ADM 554 FINANCIAL THEORY AND POLICY.
PREREQUISITE--B. ADM. 553, 573 AND 576.
3/4 UNIT
01052 DISC 9-12 W 241 COM W

B ADM 560 MANAGERIAL ACCOUNTING AND CONTROL.
PREREQUISITE-- ENROLLMENT IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT
01053 DISC 10-12 TU F 241 COM W

B ADM 562 INDUSTRIAL COST CONTROL.
PREREQUISITE--B. ADM. 560.
3/4 UNIT
01054 DISC 8-10 TU F 91 COM W

B ADM 570 MATHEMATICAL ANALYSIS FOR BUSINESS DECISIONS.
PREREQUISITE--REGISTRATION IN THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT
01055 DISC 3-5 M TH 226 COM W

B ADM 571 DECISION THEORY.
PREREQUISITE--REGISTRATION IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT
01056 DISC 3-5 TU F 226 COM W

B ADM 572 MODERN AND CLASSICAL STATISTICS FOR BUSINESS DECISIONS.
PREREQUISITE--B. ADM. 571.
3/4 UNIT
01057 DISC 1-3 TU F 241 COM W

B ADM 573 INTRODUCTION TO OPERATIONS RESEARCH.
PREREQUISITE--B. ADM. 572 AND FIRST YEAR OF M.B.A. PROGRAM.
3/4 UNIT
01058 DISC 10-12 TU F 226 COM W

B ADM 576 BUSINESS FORECASTING AND ECONOMETRICS.
PREREQUISITE--B. ADM. 572.
3/4 UNIT
01059 DISC 1-3 TU F 91 COM W

B ADM 582 INTERNATIONAL BUSINESS OPERATIONS, I.
PREREQUISITE--SECOND YEAR M.B.A. STANDING.
3/4 UNIT
01060 DISC 10-12 M TH 226 COM W

B ADM 590 INDEPENDENT STUDY AND RESEARCH.
1/2 OR 1 UNIT
01061 CONF ARR

B ADM 599 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01062 CONF 1-5 W 241 COM W

BUSINESS EDUCATION

DEPARTMENT OFFICE 9 D K H

COURSES FOR UNDERGRADUATES

NOTE--COMMERCE UNDERGRADUATES MAY RECEIVE CREDIT IN B. ED. 101, 102, 111, AND 112 IF REGISTERED IN THE CURRICULUM IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING. STUDENTS NOT MAJORING IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING SHOULD CHECK WITH THEIR COLLEGE OFFICES FOR THE CREDIT ALLOWED FOR THESE COURSES.

B ED 101 BEGINNING TYPEWRITING.
2 HOURS
01063 LAB-DISC C 10 MTUWTHF 3 D K H STAFF

B ED 102 INTERMEDIATE TYPEWRITING.
PREREQUISITE--B.ED. 101 OR EQUIVALENT.
2 HOURS
01064 LAB-DISC A 8 MTUWTHF 3 D K H STAFF

B ED 111 BEGINNING SHORTHAND.
3 HOURS
01065 LAB-DISC D 11 MTUWTHF 10 D K H REED

B ED 112 INTERMEDIATE SHORTHAND.
PREREQUISITE--B.ED. 111 OR EQUIVALENT.
3 HOURS
01066 LAB-DISC B 9 MTUWTHF 10 D K H STAFF

COURSES FOR ADVANCED UNDERGRADUATES

NOTE--COMMERCE UNDERGRADUATE MAY RECEIVE CREDIT IN B.ED. 203 AND 213 IF REGISTERED IN THE CURRICULUM IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING. STUDENTS NOT MAJORING IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING SHOULD CHECK WITH THEIR COLLEGE OFFICE FOR THE CREDIT ALLOWED FOR THESE COURSES.

B ED 203 ADVANCED TYPEWRITING.
PREREQUISITE--B. ED. 102 OR EQUIVALENT.
2 HOURS

01067	LAB-DISC	D	9	MTUWTHF	3	D K H		MELSON

B ED 213 ADVANCED SHORTHAND.
PREREQUISITE--B. ED. 112 OR EQUIVALENT.
3 HOURS

01068	LAB-DISC	C	10	MTUWTHF	10	D K H		REED

B ED 241 RECORDS MANAGEMENT.
2 HOURS

01069	LAB-DISC	F	2	TU TH	3	D K H		REED

B ED 291 HONORS.
2 TO 4 HOURS

01070	CONF	&	ARR					

B ED 292 HONORS.
2 TO 4 HOURS

01071	CONF	&	ARR					

COURSES FOR GRADUATES

B ED 490 SPECIAL TOPICS.
*CREDIT CANNOT BE APPLIED TO A DEGREE IF A THESIS IS SUBMITTED.
*1/2 OR 1 UNIT

01072	CONF		ARR					

B ED 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN BUSINESS EDUCATION.
1/2 TO 2 UNITS

01073	CONF		ARR					

BUSINESS LAW

DEPARTMENT OFFICE 317B D K H

COURSES FOR UNDERGRADUATES

B LAW 100 BASIC PRINCIPLES OF BUSINESS LAW.
PREREQUISITE--ACCY. 105, ECON. 102, FORTY-FIVE CREDIT HOURS.
*CREDIT IS NOT GIVEN FOR B. LAW 100 IN ADDITION TO B. LAW 201 OR 261
*3 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

01074	LECT-DISC	A1	8	M W F	219	D K H		
01075	LECT-DISC	A2	8	M W F	307	D K H		
01076	LECT-DISC	J	8	TU TH S	307	D K H		
01077	LECT-DISC	B	9	M W F	307	D K H		
01078	LECT-DISC	K	9	TU TH S	307	D K H		
01079	LECT-DISC	C	10	M W F	240	COM W		CURLEY
01083	LECT-DISC	*&L	10-1120	TU TH	236	COM W		CORLEY
01080	LECT-DISC	D	11	M W F	307	D K H		
01081	LECT-DISC	X	12	M W F	307	D K H		
01082	LECT-DISC	F	2	M W F	240	COM W		

COURSES FOR ADVANCED UNDERGRADUATES

B LAW 261 SUMMARY OF BUSINESS LAW.
FOR NON-COMMERCE STUDENTS WHO HAVE AT LEAST JUNIOR STANDING.
*CREDIT IS NOT GIVEN FOR B. LAW. 261 IN ADDITION TO B. LAW. 100 OR 201.
*3 HOURS

01084	LECT-DISC	E	1	M W F	240	COM W			BLACK

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

B LAW 301 THE LAW OF SECURITY TRANSACTIONS AND BANKING.
PREREQUISITE--SENIOR STANDING, B. LAW. 100, OR CREDIT OR REGISTRATION IN B. LAW. 202.
3 HOURS, OR 3/4 OR 1 UNIT

01085	LECT-DISC	E	1	MTUW	F	307	D	K	H
01086	LECT-DISC	F	2	MTUW	F	307	D	K	H
01087	LECT-DISC	G	3	MTUW	F	307	D	K	H
01088	LECT-DISC	H	4	MTUW	F	307	D	K	H

B LAW 302 WILLS, ESTATES, AND TRUSTS.
PREREQUISITE--SENIOR STANDING, B. LAW. 100, OR CREDIT OR REGISTRATION IN B. LAW. 202.
3 HOURS, OR 3/4 OR 1 UNIT

01089	LECT-DISC	D	11	M W F	240	COM W			CORLEY

CERAMIC ENGINEERING

DEPARTMENT OFFICE 203 CER

COURSES FOR UNDERGRADUATES

CER E 101 INTRODUCTION TO CERAMIC ENGINEERING.
PREREQUISITE--SOPHOMORE STANDING.
FIELD TRIP.
3 HOURS

01090	LECT		9	M W F	218	CER			FRIEDBERG

COURSES FOR ADVANCED UNDERGRADUATES

CER E 203 PRINCIPLES OF DRYING.
PREREQUISITE--JUNIOR STANDING IN CERAMIC ENGINEERING.
3 HOURS

01091	LECT		1	M W F	218	CER			NELSON

CER E 205 CERAMIC TECHNOLOGY.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

01092	LECT-DISC		8-10	TU TH	218	CER			BERGERON

CER E 209 WHITEWARE BODIES AND GLAZES.
PREREQUISITE--CER E 206 OR CONSENT OF INSTRUCTOR.
3 HOURS

01093	LECT		10	TU TH	218	CER			COOK
01094	LAB	A	2-5	W	113	CER			
01095	LAB	B	9-12	S	113	CER			

CER E 221 PYROMETRY.
PREREQUISITE--JUNIOR STANDING, SOPHOMORE PHYSICS.
2 HOURS

01096	LECT		11	TH	218	CER			ALLEN
01097	LAB	A	2-5	TU	317	CER			
01098	LAB	B	2-5	TH	317	CER			
01099	LAB	C	9-12	S	317	CER			

CER E 222 PORCELAIN ENAMELS.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING, CHEMISTRY, OR PHYSICS.
3 HOURS

01100	LECT		1	TU TH		218	CER	COOK
01101	LAB	A	2-5	TU		102	CER	
01102	LAB	B	2-5		TH	102	CER	

CER E 271 CERAMIC ENGINEERING DESIGN.
PREREQUISITE--T.A.M. 221 AND CER.E. 203 AND 204.
2 HOURS

01103	LECT		2	M	F	218	CER	NELSON
01103	LAB		3-5	M	F	321	CER	NELSON

CER E 299 THESIS.
1 TO 3 HOURS

01104	CONF	E	ARR					

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CER E 301 ADVANCED GLASS TECHNOLOGY.
PREREQUISITE--CER E 214 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01105	LECT		1	M	W	214	CER	TOOLEY

CER E 331 CERAMIC MICROSCOPY.
PREREQUISITE--CER. E. 205 AND 206 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01106	LECT		2	TU		322	CER	ALLEN
01107	LAB	A	3-6	TU		322	CER	
		A	9-11		TH	322	CER	

COURSES FOR GRADUATES

CER E 401 CERAMIC CHEMISTRY.
PREREQUISITE--COURSES IN CHEMISTRY AND PHYSICS.
1 UNIT

01108	LECT-DISC		10	M	W F	214	CER	

CER E 405 GLASS TECHNOLOGY.
PREREQUISITE--CER. E 301 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3/4 UNIT

01109	LECT-DISC		2	M	W	214	CER	TOOLEY

CER E 409 WHITEWARES.
PREREQUISITE--CER. E 209 AND 340 OR EQUIVALENT.
1 OR 1 1/2 UNITS

01110	LECT-DISC		9	M	W F	214	CER	COOK

CER E 421 HIGH TEMPERATURE TECHNOLOGY.
PREREQUISITE--CER E 310.
3/4 UNIT

01111	LECT-DISC		10	M	W F	322	CER	ALLEN

CER E 422 HIGH TEMPERATURE TECHNOLOGY LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN CER E 421 OR CONSENT OF INSTRUCTOR.
1/2 UNIT

01112	LAB-DISC		1-5		W	318	CER	ALLEN

CER E 495 MATERIALS AND SPECIAL PROBLEMS.
PREREQUISITE--GRADUATE STANDING IN CERAMIC ENGINEERING.
0 TO 2 UNITS

01113	LECT-DISC		ARR					ALLEN, BERGERO COOK, FRIEDBER NELSON, TENNER TOOLEY

CER E 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN CERAMIC ENGINEERING.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01114 CONF ARR

ALLEN, BERGERON
COOK, FRIEDBERG
NELSON, TENNERY
TOOLEY

CHEMISTRY AND CHEMICAL ENGINEERING

DEPARTMENT OFFICE 108 N L

MAJOR--NOT LESS THAN TWENTY HOURS IN CHEMISTRY, EXCLUDING CHEM. 101, 102, 104, 105, 107, 108, 109, AND 111. ONE SEMESTER OF BASIC WORK IN EACH OF THE FOLLOWING AREAS MUST BE INCLUDED--QUANTITATIVE ANALYSIS, ORGANIC, AND PHYSICAL. IN ADDITION, THERE MUST BE INCLUDED TWO APPROVED 300 LEVEL COURSES, ONE IN EACH OF TWO AREAS OF CHEMISTRY. THESE TWO COURSES MUST HAVE THE APPROVAL OF THE DEPARTMENTAL ADVISER. IT IS VERY DESIRABLE THAT THE STUDENT PLAN HIS COURSE WORK AS EARLY AS POSSIBLE IN CONSULTATION WITH HIS ADVISOR.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--BOTANY, CERAMIC ENGINEERING, ENTOMOLOGY, GEOLOGY, MATHEMATICS, MICROBIOLOGY, PHILOSOPHY, PHYSICS, PHYSIOLOGY, PSYCHOLOGY, AND ZOOLOGY. WITH THE WRITTEN APPROVAL OF THE DEPARTMENTAL ADVISER, OTHER SUBJECTS MAY BE SUBSTITUTED.

DEPARTMENTAL DISTINCTION--STUDENTS IN CHEMISTRY REGISTERED IN CHEM. 290--THESIS--OR STUDENTS IN CHEMICAL ENGINEERING REGISTERED IN CH. E. 290--THESIS--OR 379--PROJECTS--OR 381--PLANT DESIGN--BECOME CANDIDATES FOR DEPARTMENTAL DISTINCTION. ALL STUDENTS ARE ELIGIBLE FOR COLLEGE HONORS WHO HAVE A 4.0 AVERAGE OR BETTER. THE LEVEL OF DISTINCTION TO BE RECOMMENDED IS DETERMINED BY THE QUALITY OF THE SPECIAL WORK DONE IN ADDITION TO THE REQUIREMENT THAT THE OVER-ALL GRADE-POINT AVERAGES, EXCLUSIVE OF MILITARY TRAINING AND PHYSICAL EDUCATION, OF A 4.0, 4.25, AND 4.5 ARE REQUIRED FOR THE CITATIONS OF DISTINCTION, HIGH DISTINCTION, AND HIGHEST DISTINCTION, RESPECTIVELY RECOMMENDATION IS MADE TO THE DEAN OF THE COLLEGE BY THE HEAD OF THE DEPARTMENT.

SEQUENCE OF COURSES--STUDENTS IN THE CURRICULUM IN CHEMISTRY, MAJORS IN CHEMISTRY, AND ALL OTHERS WHO DESIRE A THOROUGH TRAINING IN THE FUNDAMENTALS OF CHEMISTRY AND THEIR APPLICATIONS TO MODERN LIFE SHOULD SELECT COURSES FROM THE FOLLOWING, USUALLY IN THE SEQUENCE GIVEN--CHEM. 107, 108, 234, 336, 342, 343, 344, 345, 321, 315, AND COURSES IN BIOCHEMISTRY, CHEMICAL ENGINEERING, ANALYTICAL, INORGANIC, ORGANIC, AND PHYSICAL CHEMISTRY. STUDENTS WHO DO NOT MEET THE REQUIREMENTS OF PREVIOUS HIGH SCHOOL CHEMISTRY AND THE THOROUGH MATHEMATICS BACKGROUND NECESSARY FOR REGISTRATION IN CHEM. 107, MAY REGISTER IN CHEM. 101 OR 102 BEFORE TAKING THE SEQUENCE CHEM. 107 AND 108. STUDENTS IN THE COLLEGE OF ENGINEERING--EXCEPT CERAMISTS, CERAMIC ENGINEERS, AND THOSE WHO WISH TO TAKE CHEM. 342--SHOULD REGISTER IN CHEM. 101 OR 102, 104, 123, OR IN 109 AND 123.

STUDENTS WHO WISH TO SATISFY A LIMITED CHEMISTRY REQUIREMENT MAY REGISTER FOR THE SEQUENCE CHEM. 101 OR 102, 105, 122, 132, OR 133. STUDENTS WITH EXCEPTIONALLY GOOD RECORDS MAY TAKE 109 INSTEAD OF 102 AND 105.

RESTRICTIONS--STUDENTS IN THE CURRICULA OF CHEMISTRY OR CHEMICAL ENGINEERING MUST HAVE AT LEAST A 3.5 GENERAL AVERAGE, EXCLUSIVE OF THE BASIC COURSES IN MILITARY TRAINING AND THE REQUIRED WORK IN PHYSICAL EDUCATION, IN ORDER TO BE ACCEPTED BY THE DEPARTMENT AS JUNIORS OR SENIORS. A TRANSFER STUDENT TO BE ACCEPTED MUST HAVE A CORRESPONDING RECORD IN THE INSTITUTION OR INSTITUTIONS FROM WHICH HE TRANSFERS AND MUST MAINTAIN A SIMILAR AVERAGE AT THE UNIVERSITY OF ILLINOIS. WITH THE EXCEPTION OF STUDENTS IN THE COLLEGE OF ENGINEERING AND THE COLLEGE OF AGRICULTURE, REGISTRATION OF STUDENTS IN CHEMISTRY COURSES EXCEPT THOSE OF FRESHMAN AND SOPHOMORE GRADE, NAMELY, CHEM. 101, 102, 104, 105, 107, 108, 109, 111, 122, 123, 132, 133, NORMALLY IS RESTRICTED TO STUDENTS HAVING A 3.5 GENERAL AVERAGE, EXCLUSIVE OF THE BASIC COURSES IN MILITARY TRAINING AND THE REQUIRED WORK IN PHYSICAL EDUCATION, OR AN AVERAGE OF AT LEAST 3.5 IN HIS CHEMISTRY COURSES. ANY JUNIOR OR SENIOR WHO CANNOT MEET EITHER OF THESE REQUIREMENTS MUST PETITION FOR ADMITTANCE AS A MAJOR OR MINOR IN CHEMISTRY.

BIOCHEMISTRY--STUDENTS WHO WISH TO SPECIALIZE IN BIOCHEMISTRY ARE DIRECTED TO THE CHEMISTRY CURRICULUM OR TO A STRONG CHEMISTRY MAJOR PROGRAM. SUCH STUDENTS SHOULD PLAN THEIR PROGRAMS SO AS TO INCLUDE, IN ADDITION TO CHEMISTRY AND BIOCHEMISTRY, BASIC COURSES IN MATHEMATICS, THROUGH CALCULUS, AND PHYSICS, THROUGH PHYSICS 108, AND A YEAR OF ADVANCED UNDERGRADUATE BIOLOGY. STUDENTS IN RELATED FIELDS WISHING TO TAKE UNDERGRADUATE COURSES IN BIOCHEMISTRY ARE URGED TO PLAN THEIR PROGRAMS SO AS TO PROVIDE AN EQUIVALENT BACKGROUND. STUDENTS ARE ENCOURAGED TO DISCUSS THEIR PROGRAMS WITH THE STAFF OF THE DIVISION OF BIOCHEMISTRY OF THE DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING.

CHEMISTRY

COURSES FOR UNDERGRADUATES

CHEM 101 GENERAL CHEMISTRY.
PREREQUISITE--ONE UNIT OF HIGH SCHOOL PHYSICS, OR TWO AND ONE-HALF UNITS OF HIGH SCHOOL MATHEMATICS, OR CREDIT IN MATH. 111 OR 112.
*STUDENTS WITH 30 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

01115	LECT	A	9	TU TH	100	N	L
01116	LECT	B	2	TU TH	100	N	L
01117	QUIZ	2A	10	TU TH	300	N	L
01117	LAB	2A	10-12	M W	101	C	A
01118	QUIZ	2B	10	TU TH	164	N	L
01118	LAB	2B	10-12	M W	101	C	A
01119	QUIZ	2C	10	TU TH	103	N	L
01119	LAB	2C	10-12	M W	101	C	A
01120	QUIZ	2D	10	TU TH	204	N	L
01120	LAB	2D	10-12	M W	I	C	A
01121	QUIZ	3A	2	TU TH	111	N	L
01121	LAB	3A	3-5	M W	101	C	A
01122	QUIZ	3B	2	TU TH	103	N	L
01122	LAB	3B	3-5	M W	101	C	A
01123	QUIZ	5	8	TU TH	111	N	L
01123	LAB	5	8-10	M W	101	C	A
01124	QUIZ	6A	8	TU TH	103	N	L
01124	LAB	6A	10-12	TU TH	101	C	A
01125	QUIZ	6B	8	TU TH	301	N	L
01125	LAB	6B	10-12	TU TH	101	C	A
01126	QUIZ	7A	1	TU TH	111	N	L
01126	LAB	7A	1-3	M W	I	C	A
01127	QUIZ	7B	1	TU TH	162	N	L
01127	LAB	7B	1-3	M W	1	C	A
01128	QUIZ	7C	1	TU TH	201	N	L
01128	LAB	7C	1-3	M W	1	C	A
01129	QUIZ	8A	1	TU TH	308	C	A
01129	LAB	8A	3-5	W F	1	C	A
01130	QUIZ	8B	1	TU TH	19S	N	L
01130	LAB	8B	3-5	W F	I	C	A

CHEM 101 CONTINUED
PRIMARILY FOR STUDENTS IN THE COLLEGE OF ENGINEERING-

01131	QUIZ	81	8		W	F	300	N	L
01131	LAB	81	1-3	M	W		101	C	A
01132	QUIZ	82A	1	M	W		103	N	L
01132	LAB	82A	8-10		TU	TH	101	C	A
01133	QUIZ	82B	1	M	W		210	C	A
01133	LAB	82B	8-10		TU	TH	1	C	A
01134	QUIZ	82C	1	M	W		9	C	A
01134	LAB	82C	8-10		TU	TH	1	C	A
01135	QUIZ	84	1		TU	TH	301	N	L
01135	LAB	84	1-3		W	F	101	C	A
01136	QUIZ	85	10		TU	TH	162	N	L
01136	LAB	85	3-5	M	W		201	C	A
01137	QUIZ	86	8		TU	TH	201	N	L
01137	LAB	86	1-3	M	W		1	C	A
01138	QUIZ	87A	12		TU	TH	201	N	L
01138	LAB	87A	3-5	M	W		1	C	A
01139	QUIZ	87B	12		TU	TH	195	N	L
01139	LAB	87B	3-5	M	W		101	C	A
01140	QUIZ	88	2	M	W		162	N	L
01140	LAB	88	10-12	M	W		1	C	A
01141	QUIZ	89	3	M		F	164	N	L
01141	LAB	89	3-5		TU	TH	201	C	A

CHEM 102 GENERAL CHEMISTRY.
PREREQUISITE--ONE UNIT OF HIGH SCHOOL CHEMISTRY OR EQUIVALENT, 2 1/2 UNITS OF HIGH SCHOOL MATHEMATICS OR CREDIT IN MATH. 111 OR 112.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE 2 HOURS CREDIT.
•3 HOURS

01142	LECT	A	8		TU	TH	100	N	L
01143	LECT	C	10		TU	TH	100	N	L
01144	LECT	D	11		TU	TH	100	N	L
01145	LECT	E	1		TU	TH	100	N	L
01146	QUIZ	15	2		W	F	111	N	L
01146	LAB	15	8-10			F	1	C	A
01147	QUIZ	16	8	M	W		301	N	L
01147	LAB	16	8-10		TU		101	C	A
01148	QUIZ	17A	8		TU	TH	195	N	L
01148	LAB	17A	10-12		TU		1	C	A
01149	QUIZ	17B	8		TU	TH	308	C	A
01149	LAB	17B	10-12		TU		1	C	A
01150	QUIZ	18A	9		TU	TH	164	N	L
01150	LAB	18A	1-3	M			101	C	A
01151	QUIZ	18B	9		TU	TH	308	C	A
01151	LAB	18B	1-3	M			101	C	A
01152	QUIZ	19A	10		TU	TH	303	N	L
01152	LAB	19A	3-5		TU		1	C	A
01153	QUIZ	19B	10		TU	TH	201	N	L
01153	LAB	19B	3-5		TU		1	C	A
01154	QUIZ	20	9		TU	TH	162	N	L
01154	LAB	20	3-5			TH	1	C	A
01155	QUIZ	21A	9		TU	TH	301	N	L
01155	LAB	21A	10-12			TH	101	C	A
01156	QUIZ	21B	9		TU	TH	204	N	L
01156	LAB	21B	10-12			TH	101	C	A
01157	QUIZ	22A	10		TU	TH	301	N	L
01157	LAB	22A	8-10	M			1	C	A
01158	QUIZ	22B	10		TU	TH	308	C	A
01158	LAB	22B	8-10	M			1	C	A
01159	QUIZ	22C	10		TU	TH	101	E	C
01159	LAB	22C	8-10	M			1	C	A
01160	QUIZ	23	11		TU	TH	164	N	L
01160	LAB	23	10-12			S	201	C	A
01161	QUIZ	24A	11		TU	TH	301	N	L
01161	LAB	24A	10-12			F	201	C	A
01162	QUIZ	24B	11		TU	TH	103	N	L
01162	LAB	24B	10-12			F	201	C	A
01163	QUIZ	25	12		TU	TH	303	N	L
01163	LAB	25	8-10		TU		101	C	A
01164	QUIZ	26	2		TU	TH	195	N	L
01164	LAB	26	8-10		TU		101	C	A
01165	QUIZ	27A	3		TU	TH	162	N	L
01165	LAB	27A	3-5	M			101	C	A
01166	QUIZ	27B	3		TU	TH	303	N	L
01166	LAB	27B	3-5	M			1	C	A
01167	QUIZ	28A	10		TU	TH	115	E	C
01167	LAB	28A	3-5			TH	101	C	A
01168	QUIZ	28B	10		TU	TH	199	E	C
01168	LAB	28B	3-5			TH	101	C	A
01169	QUIZ	29A	3		TU	TH	199	E	C
01169	LAB	29A	3-5			F	1	C	A

CHEM 102 CONTINUED

01170	QUIZ	29B	3	M	W		308	C	A
01170	LAB	29B	3-5			F	101	C	A
01171	QUIZ	29C	3	M	W		103	N	L
01171	LAB	29C	3-5			F	101	C	A

CHEM PRIMARILY FOR STUDENTS IN THE COLLEGE OF ENGINEERING-

01172	QUIZ	30A	4	TU	TH		201	N	L
01172	LAB	30A	8-10	TU			1	C	A
01173	QUIZ	30B	4	TU	TH		303	N	L
01173	LAB	30B	8-10	TU			1	C	A
01174	QUIZ	31A	11	TU	TH		193	E	C
01174	LAB	31A	8-10		TH		101	C	A
01175	QUIZ	31B	11	TU	TH		300	N	L
01175	LAB	31B	8-10		TH		101	C	A
01176	QUIZ	31C	11	TU	TH		162	N	L
01176	LAB	31C	8-10		TH		101	C	A
01177	QUIZ	32	4	TU	TH		162	N	L
01177	LAB	32	1-3	TU			101	C	A
01178	QUIZ	33A	8	TU	TH		303	N	L
01178	LAB	33A	8-10	M			201	C	A
01179	QUIZ	33B	8	TU	TH		162	N	L
01179	LAB	33B	8-10	M			201	C	A
01180	QUIZ	34A	9	TU	TH		201	N	L
01180	LAB	34A	1-3			F	101	C	A
01181	QUIZ	34B	9	TU	TH		111	N	L
01181	LAB	34B	1-3			F	101	C	A
01182	QUIZ	34C	9	TU	TH		300	N	L
01182	LAB	34C	1-3			F	1	C	A
01183	QUIZ	35A	11	M	W		9	C	A
01183	LAB	35A	10-12			F	1	C	A
01184	QUIZ	35B	11	M	W		152	D	H
01184	LAB	35B	10-12			F	1	C	A
01185	QUIZ	36A	2	TU	TH		162	N	L
01185	LAB	36A	10-12	TU			101	C	A
01186	QUIZ	36B	2	TU	TH		164	N	L
01186	LAB	36B	10-12	TU			101	C	A
01187	QUIZ	36C	2	TU	TH		201	N	L
01187	LAB	36C	10-12	TU			1	C	A
01188	QUIZ	36D	2	TU	TH		303	N	L
01188	LAB	36D	10-12	TU			1	C	A
01189	QUIZ	37	2		W	F	201	N	L
01189	LAB	37	3-5			F	201	C	A
01190	QUIZ	38A	8	M	W		303	N	L
01190	LAB	38A	1-3		W		101	C	A
01191	QUIZ	38B	8	M	W		111	N	L
01191	LAB	38B	1-3		W		101	C	A
01192	QUIZ	39	1		W	F	193	E	C
01192	LAB	39	1-3	M			101	C	A
01193	QUIZ	40A	3	M	W		9	C	A
01193	LAB	40A	10-12		TH		1	C	A
01194	QUIZ	40B	3	M	W		210	C	A
01194	LAB	40B	10-12		TH		1	C	A
01195	QUIZ	40C	3	M	W		303	N	L
01195	LAB	40C	10-12		TH		1	C	A
01196	QUIZ	40D	3	M	W		111	N	L
01196	LAB	40D	10-12		TH		1	C	A
01197	QUIZ	41A	11	M		F	300	N	L
01197	LAB	41A	3-5	TU			101	C	A
01198	QUIZ	41B	11	M		F	164	N	L
01198	LAB	41B	3-5	TU			101	C	A
01199	QUIZ	42	8	M	W		19S	N	L
01199	LAB	42	1-3		TH		201	C	A
01200	QUIZ	43A	11	TU	TH		201	N	L
01200	LAB	43A	3-5	M			1	C	A
01201	QUIZ	43B	11	TU	TH		19S	N	L
01201	LAB	43B	3-5	M			1	C	A
01202	QUIZ	44A	1	TU	TH		103	N	L
01202	LAB	44A	3-5		W		101	C	A
01203	QUIZ	44B	1	TU	TH		199	E	C
01203	LAB	44B	3-5		W		1	C	A
01204	QUIZ	45	3	TU	TH		111	N	L
01204	LAB	45	3-5			F	201	C	A
01205	QUIZ	46A	11	M	W		303	N	L
01205	LAB	46A	8-10		TH		1	C	A
01206	QUIZ	46B	11	M	W		19S	N	L
01206	LAB	46B	8-10		TH		1	C	A
01207	QUIZ	47	3	M	W		19S	N	L
01207	LAB	47	3-5		TH		101	C	A

CHEM 105 INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS.
PREREQUISITE--CHEM. 101 OR 102, OR 111, INELIGIBLE FOR CHEM. 104.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN CHEM. 104, 108, OR 109.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE 3 HOURS CREDIT.
*5 HOURS

01208	LECT		9	M W	100	N	L
01209	QUIZ	51	3	TU TH	164	N	L
01209	LAB	51	3-5	M W F	201	C	A
01210	QUIZ	52A	10	TU TH	217	N	L
01210	LAB	52A	10-12	M W F	201	C	A
01211	QUIZ	52B	10	TU TH	19S	N	L
01211	LAB	52B	10-12	M W F	201	C	A
01212	QUIZ	53A	1	TU TH	164	N	L
01212	LAB	53A	1-3	M W F	201	C	A
01213	QUIZ	53B	1	TU TH	217	N	L
01213	LAB	53B	1-3	M W F	201	C	A
01214	QUIZ	54A	9	TU TH	303	N	L
01214	LAB	54A	10-12	TU TH S	201	C	A
01215	QUIZ	54B	9	TU TH	19S	N	L
01215	LAB	54B	10-12	TU TH S	201	C	A
01216	QUIZ	55	11	TU TH	204	N	L
01216	LAB	55	3-5	M W F	201	C	A
01217	QUIZ	56A	8	M W	308	C	A
01217	LAB	56A	8-10	TU TH S	201	C	A
01218	QUIZ	56B	8	M W	201	N	L
01218	LAB	56B	8-10	TU TH S	201	C	A

CHEM 107 GENERAL CHEMISTRY.
PREREQUISITE--ONE YEAR OF HIGH SCHOOL CHEMISTRY WITH AT LEAST A B AVERAGE GRADE, CREDIT OR REGISTRATION IN MATH. 122 OR 123, ENROLLMENT IN CHEMISTRY, CHEMICAL ENGINEERING OR PHYSICAL SCIENCES CURRICULA.
*STUDENTS WITH CREDIT IN CHEM. 101 OR 102 RECEIVE ONLY 2 HOURS CREDIT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*5 HOURS
SECTIONS &8D AND &9A ARE RESTRICTED TO DESIGNATED HONOR STUDENTS

01219	LECT		8	TU TH	112	C	A
01220	QUIZ	78A	9	M W F	140	BUR	HALL
01220	LAB	78A	10-12	M W	201	C	A
01221	QUIZ	78B	9	M W F	9	C	A
01221	LAB	78B	10-12	M W	201	C	A
01222	QUIZ	78C	9	M W F	164	N	L
01222	LAB	78C	10-12	M W	1	C	A
01228	QUIZ	*&8D	9	M W F	210	C	A
01228	LAB	*&8D	10-12	M W	1	C	A
01223	QUIZ	78E	9	M W F	111	N	L
01223	LAB	78E	10-12	M W	101	C	A
01229	QUIZ	*&9A	2	M W F	210	C	A
01229	LAB	*&9A	8-10	W F	201	C	A
01224	QUIZ	79B	2	M W F	9	C	A
01224	LAB	79B	8-10	W F	201	C	A
01225	QUIZ	79C	2	M W F	103	N	L
01225	LAB	79C	8-10	W F	201	C	A
01226	QUIZ	79D	2	M W F	300	N	L
01226	LAB	79D	8-10	W F	1	C	A
01227	QUIZ	79E	2	M W F	199	E	C
01227	LAB	79E	8-10	W F	1	C	A

CHEM 108 GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS.
PREREQUISITE--CHEM. 107, ENROLLMENT IN CHEMISTRY, CHEMICAL ENGINEERING OR PHYSICAL SCIENCES CURRICULA.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN CHEM. 104, 105, OR 109.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*5 HOURS
SECTION &1A RESTRICTED TO DESIGNATED HONOR STUDENTS.

01230	LECT		9	M W	162	N	L
01231	QUIZ	60	11	TU TH	308	C	A
01231	LAB	60	1-4	M W	201	C	A
01233	QUIZ	*&1A	11	M W	162	N	L
01233	LAB	*&1A	1-4	TU TH	201	C	A
01232	QUIZ	61B	11	M W	193	E	C
01232	LAB	61B	1-4	TU TH	201	C	A

CHEM 109 GENERAL AND INORGANIC CHEMISTRY.

PREREQUISITE--HIGH SCHOOL CHEMISTRY AND GRADUATION FROM HIGH SCHOOL IN THE HIGHEST QUARTER OF THE CLASS.

*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN CHEM. 104, 105, OR 108.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*5 HOURS

*SECTION &4A IS RESTRICTED TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

01234	LECT	F	11	M W	100	N	L	
01235	QUIZ	90A	3	M W F	217	N	L	
01235	LAB	90A	3-5	TU TH	201	C	A	
01236	QUIZ	90B	3	M W F	115	E	C	
01236	LAB	90B	3-5	TU TH	101	C	A	
01237	QUIZ	90C	3	M W F	101	E	C	
01237	LAB	90C	3-5	TU TH	101	C	A	
01238	QUIZ	91	1	M W F	111	N	L	
01238	LAB	91	8-10	TU TH	201	C	A	
01239	QUIZ	92	8	TU TH S	164	N	L	
01239	LAB	92	8-10	W F	1	C	A	
01240	QUIZ	93	3	M W F	8	C	A	
01240	LAB	93	10-12	TU TH	201	C	A	
01248	QUIZ	*&4A	2	M W F	217	N	L	
01248	LAB	*&4A	1-3	TU TH	101	C	A	
01241	QUIZ	94B	2	M W F	164	N	L	
01241	LAB	94B	1-3	TU TH	101	C	A	
01242	QUIZ	94C	2	M W F	161	N	L	
01242	LAB	94C	1-3	TU TH	101	C	A	
01243	QUIZ	94D	2	M W F	19S	N	L	
01243	LAB	94D	1-3	TU TH	101	C	A	
01244	QUIZ	95	12	M W F	19S	N	L	
01244	LAB	95	10-12	TU TH	201	C	A	
01245	QUIZ	96A	2	M W F	101	E	C	
01245	LAB	96A	8-10	W F	201	C	A	
01246	QUIZ	96B	2	M W F	115	E	C	
01246	LAB	96B	8-10	W F	101	C	A	
01247	QUIZ	97	3	M W F	300	N	L	
01247	LAB	97	1-3	TU TH	1	C	A	

CHEM 111 GENERAL CHEMISTRY.

PREREQUISITE--TWO AND ONE-HALF UNITS OF HIGH SCHOOL MATHEMATICS, OR CREDIT IN MATH. 111 OR 112 OR ONE UNIT OF HIGH SCHOOL PHYSICS, OR ONE UNIT OF HIGH SCHOOL CHEMISTRY.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*5 HOURS

01249	LECT		10	M W	100	N	L	
01250	QUIZ	12A	3	M W F	162	N	L	
01250	LAB	12A	1-3	TU TH	1	C	A	
01251	QUIZ	12B	3	M W F	201	N	L	
01251	LAB	12B	1-3	TU TH	1	C	A	
01252	QUIZ	12C	3	M W F	199	E	C	
01252	LAB	12C	1-3	TU TH	1	C	A	
01253	QUIZ	12D	3	M W F	301	N	L	
01253	LAB	12D	1-3	TU TH	1	C	A	
01254	QUIZ	13A	8	M W F	162	N	L	
01254	LAB	13A	3-5	TU TH	1	C	A	
01255	QUIZ	13B	8	M W F	164	N	L	
01255	LAB	13B	3-5	TU TH	1	C	A	
01256	QUIZ	14	9	TU TH S	103	N	L	
01256	LAB	14	8-10	M W	101	C	A	

CHEM 122 ELEMENTARY QUANTITATIVE ANALYSIS.

FOR ALL STUDENTS IN HOME ECONOMICS AND PREMEDICAL COURSES AND ALL OTHERS WHO HAVE NOT FOLLOWED THE SEQUENCE CHEM. 101 OR 102, 107 AND 108.

PREREQUISITE--CHEM. 104, 105, OR 109.

5 HOURS

STUDENTS REGISTERING IN LECTURE A MUST REGISTER IN ONE OF THE A QUIZZES. STUDENTS REGISTERING IN LECTURE B MUST REGISTER IN ONE OF THE B QUIZZES. STUDENTS MAY REGISTER IN ANY LABORATORY SECTION.

01257	LECT	A	9	M W	217	N	L		HARTLEY
01258	QUIZ	A1	9	F	162	N	L		
01259	QUIZ	A2	9	F	217	N	L		
01260	QUIZ	A3	9	F	301	N	L		
01261	QUIZ	A4	9	F	300	N	L		
01262	LECT	B	11	M W	112	C	A		
01263	QUIZ	B1	11	F	9	C	A		
01264	QUIZ	B2	11	F	152	D	H		
01265	QUIZ	B3	11	F	162	N	L		
01266	QUIZ	B4	11	F	303	N	L		
01267	LAB	A	1-520	M W	301	C	A		
01268	LAB	B	1-520	TU TH	301	C	A		
01269	LAB	C	8-1220	TU TH	301	C	A		

CHEM 123 QUANTITATIVE ANALYSIS FOR ENGINEERS.
PREREQUISITE--CHEM. 104, 105, OR 109.
3 HOURS

01270	LECT		11	M W	111	N L		BROWNLEE
01270	LAB		1-520	W	301	C A		

CHEM 132 ELEMENTARY ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 101, 102, 109, OR EQUIVALENT.
3 HOURS
*EACH QUIZ LIMITED TO 21 STUDENTS.

01271	LECT		8	TU TH	116	E C		PIRKLE
01284	QUIZ	*A1	2	M	303	N L		
01272	LAB	A1	3-6	M	467	N L		
01285	QUIZ	*A2	2	M	111	N L		
01273	LAB	A2	3-6	M	467	N L		
01286	QUIZ	*A3	2	M	201	N L		
01274	LAB	A3	3-6	M	467	N L		
01287	QUIZ	*B1	2	TU	300	N L		
01275	LAB	B1	3-6	TU	467	N L		
01288	QUIZ	*B2	2	TU	301	N L		
01276	LAB	B2	3-6	TU	467	N L		
01289	QUIZ	*B3	2	TU	308	C A		
01277	LAB	B3	3-6	TU	467	N L		
01290	QUIZ	*C1	3	F	303	N L		
01278	LAB	C1	12-3	F	467	N L		
01291	QUIZ	*C2	3	F	103	N L		
01279	LAB	C2	12-3	F	467	N L		
01292	QUIZ	*C3	3	F	111	N L		
01280	LAB	C3	12-3	F	467	N L		
01293	QUIZ	*D1	8	S	303	N L		
01281	LAB	D1	9-12	S	467	N L		
01294	QUIZ	*D2	8	S	199	E C		
01282	LAB	D2	9-12	S	467	N L		
01295	QUIZ	*D3	8	S	201	N L		
01283	LAB	D3	9-12	S	467	N L		

CHEM 133 ELEMENTARY ORGANIC CHEMISTRY.
FOR STUDENTS IN AGRICULTURAL SCIENCE, DAIRY TECHNOLOGY, FOOD TECHNOLOGY, NUTRITION, DIETETICS, AND PREMEDICAL, PREDENTAL AND PREVETERINARY COURSES. PREREQUISITE--CHEM. 105 OR 109.
5 HOURS
*EACH CONFERENCE AND LABORATORY LIMITED TO 63 STUDENTS.

01296	LECT		8	M W F	100	N L		BALDWIN
01297	CONF	*A	8	TU	161	N L		BEAK
01297	LAB	*A	9-11	TU	467	N L		
		*A	8-11	TH	467	N L		
01298	CONF	*B	3	TU	217	N L		
01298	LAB	*B	1-3	TU	467	N L		
		*B	1-4	TH	467	N L		
01299	CONF	*C	3	M	161	N L		
01299	LAB	*C	1-3	M	467	N L		
		*C	1-4	W	467	N L		
01300	CONF	*D	3	W	161	N L		
01300	LAB	*D	4-6	W	467	N L		
		*D	3-6	F	467	N L		

COURSES FOR ADVANCED UNDERGRADUATES

CHEM 234 ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 108 OR 122.
5 HOURS
*A SECTIONS LIMITED TO 84 STUDENTS.
*B SECTIONS LIMITED TO 76 STUDENTS.

01301	LECT		9	M W F	116	E C		LEONARD
01302	CONF	*A	9	TU	112	C A		S G SMITH
01302	LAB	*A	10-12	TU	250	N L		
		*A	9-12	TH	250	N L		
01303	CONF	*B	1	M	217	N L		
01303	LAB	*B	2-4	M	250	N L		
		*B	1-4	W	250	N L		

CHEM 245 PHYSICAL CHEMISTRY FOR ENGINEERS.
FOR CERAMISTS, METALLURGISTS, AND OTHER ENGINEERING STUDENTS, NOT OPEN TO CHEMISTRY OR CHEMICAL ENGINEERING MAJORS.
PREREQUISITE--CHEM. 122 OR 123, PHYCS. 107 OR 108, MATH. 142 OR 143 OR EQUIVALENT.
3 HOURS

01304	LECT		10	M W F	161	N L		

CHEM 290 THESIS.
LIMITED IN GENERAL TO SENIORS IN THE CHEMISTRY CURRICULUM
PREREQUISITE--MAJORS IN CHEMISTRY IN THE GENERAL CURRICULUM MAY REGISTER IF THEY HAVE COMPLETED A MINIMUM OF TWENTY-THREE HOURS OF CHEMISTRY, WHICH MUST INCLUDE AT LEAST FIVE HOURS FROM THE COURSES FOR ADVANCED UNDERGRADUATES. OTHER STUDENTS MUST HAVE THE CONSENT OF THE HEAD OF THE DEPARTMENT. EACH STUDENT WHO DESIRES TO DO RESEARCH MUST RECEIVE SPECIAL WRITTEN PERMISSION FROM THE INSTRUCTOR UNDER WHOM HE WISHES TO WORK. SUCH WRITTEN PERMISSION SHOULD BE PRESENTED, AT THE TIME OF REGISTRATION, TO THE ADVISER FOR THE CHEMISTS. EACH STUDENT TAKING THIS COURSE MUST REGISTER IN A MINIMUM OF FIVE HOURS EITHER IN ONE SEMESTER OR DIVIDED OVER TWO SEMESTERS. A MAXIMUM REGISTRATION OF TEN HOURS IN TWO SEMESTERS IS PERMITTED. IN ORDER TO RECEIVE CREDIT A THESIS MUST BE PRESENTED BY EACH STUDENT REGISTERED IN CHEM. 290.
2 TO 6 HOURS

01305	CONF	&	ARR						STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CHEM 315 INORGANIC CHEMISTRY.
PREREQUISITE--CREDIT OR REGISTRATION IN PHYSICAL CHEMISTRY.
3 HOURS, OR 3/4 UNIT

01306	LECT		9	M W F	112	C A			

CHEM 316 INORGANIC CHEMISTRY.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 315.
2 HOURS, OR 1/2 UNIT
*ADDITIONAL HOURS TO BE ARRANGED.

01307	CONF		3	TU	300	N L			
01308	LAB	A	*2-5	W	305	N L			
01309	LAB	B	*2-5	TH	305	N L			

CHEM 321 CHEMICAL AND INSTRUMENTAL ANALYSIS.
PREREQUISITE--CHEM. 336, AND 340 OR 342 WITH CONCURRENT REGISTRATION IN CHEM. 343 AND 344.
5 HOURS, OR 3/4 OR 1 1/4 UNITS

01310	LECT		8	M W F	217	N L			BROWNLEE
01311	LAB	A	1-520	M W	315	N L			
01312	LAB	B	1-520	TU TH	315	N L			
01313	LAB	C	8-1220	TU TH	315	N L			

CHEM 323 ELECTRONICS FOR CHEMISTS.
PREREQUISITE--CHEM. 321 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01314	LAB	A	1-5	W	308	N L			MALMSTADT
01315	LAB	B	1-5	TH	308	N L			MALMSTADT

CHEM 336 ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 234.
3 HOURS, OR 3/4 UNIT

01316	LECT		11	M W F	116	E C			RINEHART

CHEM 337 ORGANIC CHEMISTRY LABORATORY.
PREREQUISITE--CHEM. 234, CREDIT OR REGISTRATION IN CHEM. 336.
2 HOURS, OR 1/2 UNIT

01317	CONF		1	TU	161	N L			J C MARTIN
01317	LAB		2-4	TU	250	N L			
			1-4	TH	250	N L			

CHEM 338 SYSTEMATIC IDENTIFICATION OF ORGANIC COMPOUNDS.
PREREQUISITE--CHEM. 336 AND 337, OR EQUIVALENT.
3 HOURS, OR 3/4 UNIT

01318	CONF		1	M W	301	N L			
01318	LAB		2-4	M W	218	N L			

CHEM 340 PRINCIPLES OF PHYSICAL CHEMISTRY.
NOT OPEN TO STUDENTS IN THE SPECIALIZED CURRICULA IN CHEMISTRY OR CHEMICAL ENGINEERING.
PREREQUISITE--PHYCS. 102, CHEM. 122 AND 133, OR EQUIVALENT, MATH. 132 OR EQUIVALENT.
4 HOURS, OR 1 UNIT

01319	LECT		11	M W FS	161	N L			

CHEM 341 ELEMENTARY PHYSICAL CHEMISTRY LABORATORY.
PREREQUISITE--REGISTRATION IN CHEM. 340 OR CREDIT FOR ONE SEMESTER OF A LECTURE COURSE IN PHYSICAL CHEMISTRY.
1 HOUR, OR 1/4 UNIT

01320	LAB	B	2-5	TU	24	N	L	
01321	LAB	C	2-5	W	24	N	L	
01322	LAB	D	2-5	TH	24	N	L	

CHEM 342 PHYSICAL CHEMISTRY.
PREREQUISITE--CHEM. 108, 122, 123, OR EQUIVALENT, PHYCS. 106, 107, AND 108, OR TWO SEMESTERS OF GENERAL PHYSICS WITH CONCURRENT REGISTRATION IN THE THIRD SEMESTER, CREDIT OR REGISTRATION IN MATH 142 OR EQUIVALENT. STUDENTS SHOULD NOT REGISTER IN 342 WHO DO NOT INTEND TO ENROLL IN 344.
3 HOURS, OR 3/4 UNIT

01323	LECT	A	10	M W F	112	C	A		
01324	LECT	B	9	TU TH S	161	N	L		PIPER

CHEM 343 PHYSICAL CHEMISTRY LABORATORY, I.
PREREQUISITE--CHEM. 342.
1 HOUR, OR 1/4 UNIT

01325	LAB	A	1-4	M	124	N	L	
01326	LAB	B	1-4	TU	124	N	L	
01327	LAB	D	1-4	TH	124	N	L	
01328	LAB	E	1-4	F	124	N	L	

CHEM 344 PHYSICAL CHEMISTRY.
PREREQUISITE--CHEM. 342.
3 HOURS, OR 3/4 UNIT

01329	LECT		9	M W F	161	N	L	

CHEM 345 PHYSICAL CHEMISTRY LABORATORY, II.
PREREQUISITE--CHEM. 342, CREDIT OR REGISTRATION IN CHEM. 343 AND 344.
1 HOUR, OR 1/4 UNIT

01330	LAB	A	1-4	M	116	N	L	
01331	LAB	B	1-4	TU	116	N	L	
01332	LAB	D	1-4	TH	116	N	L	
01333	LAB	E	1-4	F	116	N	L	

CHEM 348 ADVANCED PHYSICAL CHEMISTRY.
PREREQUISITE--CHEM. 344 OR EQUIVALENT.
4 HOURS, OR 1 UNIT

01334	LECT		8	M W F	161	N	L	GOODISMAN

CHEM 350 GENERAL BIOCHEMISTRY.
PREREQUISITE--QUANTITATIVE ANALYTICAL CHEMISTRY AND CHEM. 133 OR 234, OR EQUIVALENTS, REGISTRATION IN CHEM. 355.
3 HOURS, OR 3/4 UNIT

01335	LECT		9	TU TH S	116	E	C	HAGER, RUTTER

CHEM 354 INTRODUCTION TO BIOCHEMISTRY.
PREREQUISITE--QUANTITATIVE ANALYTICAL CHEMISTRY AND CHEM. 133 OR 234, OR EQUIVALENT, LABORATORY COURSE IN GENERAL BIOLOGY, BOTANY, OR ZOOLOGY, OR CONSENT OF INSTRUCTOR.
LIMITED TO VETERINARY MEDICINE STUDENTS IN 1964-65.
5 HOURS, OR 1 UNIT

01336	LECT		8	M W F	116	E	C	CONRAD
01336	LAB		9-12	TU TH	318	E	C	

CHEM 355 BIOCHEMISTRY LABORATORY.
PREREQUISITE--QUANTITATIVE ANALYTICAL CHEMISTRY, CHEM. 133 OR 234, OR EQUIVALENT, REGISTRATION IN CHEM. 350.
3 HOURS, OR 3/4 UNIT

01337	CONF		10	S	116	E	C	CLARK AND
01338	LAB	A	8-11	M W	318	E	C	ASSISTANTS
		A	8-10	F	318	E	C	
01339	LAB	B	1-4	M W	318	E	C	
		B	1-3	F	318	E	C	

CHEM 395 HISTORY OF SCIENCE WITH PARTICULAR REFERENCE TO CHEMISTRY.
PREREQUISITE--TWENTY HOURS OF LABORATORY SCIENCE.
2 HOURS, OR 1/2 UNIT

01340	CONF		11	TU TH	111	N	L	

CHEM 396 ATOMIC PHYSICS.
SAME AS PHYCS. 381.
PREREQUISITE--GENERAL PHYSICS AND MATH. 343 OR 345.
4 HOURS, OR 1 UNIT

01341	LECT	A	10	M W F					
01342	LECT	B	11	M W F					

CHEM 397 RADIOCHEMISTRY.
SAME AS NUC. E. 397.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

01343	LECT		10	TU TH S	161	N L		

CHEM 398 RADIOCHEMISTRY LABORATORY.
SAME AS NUC. E. 398.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01344	DISC		ARR					
01345	LAB	A	1-4	M	20	N L		
01346	LAB	B	1-4	TU	20	N L		
01347	LAB	D	1-4	TH	20	N L		

COURSES FOR GRADUATES

CHEM 405 INORGANIC CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS MAJORING IN INORGANIC CHEMISTRY.
1/4 UNIT

01348	LECT-DISC		4	TU	112	C A		BROWN

CHEM 406 STRUCTURAL METHODS IN INORGANIC CHEMISTRY AND MECHANISMS OF INORGANIC REACTIONS.
PREREQUISITE--CHEM. 315 OR CONSENT OF INSTRUCTOR.
1 UNIT

01349	LECT-DISC		1	M W F	161	N L		DRAGO, BROWN

CHEM 407 SPECIAL TOPICS IN INORGANIC CHEMISTRY.
PREREQUISITE--GRADUATE STANDING IN CHEMISTRY.
1/4 TO 1 UNIT

01350	LECT		9	M W F	201	N L		KAY

CHEM 421 SPECTROCHEMICAL METHODS OF ANALYSIS.
PREREQUISITE--GENERAL PHYSICS AND CHEMISTRY EQUIVALENT TO A MAJOR FOR A BACHELORS DEGREE.
1 UNIT

01351	LECT		9	TU TH	217	N L		MALMSTADT
01352	LAB	A	1-520	M	305D	N L		
01353	LAB	B	1-520	TU	305D	N L		
01354	LAB	C	1-520	W	305D	N L		
01355	LAB	D	1-520	TH	305D	N L		

CHEM 423 ELECTRON MICROSCOPY.
SAME AS BIOL. 423 AND ZOOL. 423.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENTS WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS AND MATHEMATICS.
1/4 UNIT

01356	LECT		4	M	282	BEV HALL		HALL

CHEM 424 QUANTITATIVE ANALYSIS.
PREREQUISITE--GRADUATE STANDING IN CHEMISTRY.
1/2 UNIT

01357	LECT		11	TU TH	303	N L		LAITINEN HARTLEY

CHEM 425 ANALYTICAL CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS ANALYTICAL CHEMISTRY.
1/4 UNIT

01358	LECT-DISC		3	F	161	N L		LAITINEN

CHEM 426 APPLIED X-RAYS.
PREREQUISITE--TRAINING IN PHYSICS AND PHYSICAL CHEMISTRY.
3/4 UNIT

01359	LECT-DISC	10	TU TH S	111	N L		PFLUGER

CHEM 428 APPLIED X-RAYS.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 426 OR 427.
1/4 TO 1 UNIT

01360	LAB	ARR		41	N L		PFLUGER

CHEM 429 ELECTRON MICROSCOPY LABORATORY.
SAME AS BIOL. 429 AND ZOOL. 429.
PREREQUISITE--GRADUATE STANDING WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS AND MATHEMATICS, CREDIT OR REGISTRATION IN CHEM. 423, CONSENT OF INSTRUCTOR.
1/2 OR 3/4 UNIT

01361	DISC	4	W	282	BEV HALL		HALL AND
01361	LAB	ARR		97	BEV HALL		ASSISTANTS

CHEM 430 ORGANIC CHEMISTRY.
PREREQUISITE--ONE YEAR OF ORGANIC CHEMISTRY.
1 UNIT

01362	LECT	11	M W F	115	E C		SNYDER

CHEM 431 ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 430 OR 336.
1 UNIT

01363	LECT	11	M W F	217	N L		CURTIN

CHEM 434 ADVANCED ORGANIC SYNTHESIS.
1/2 OR 1 UNIT

01364	LECT	ARR		218	N L		J C MARTIN

CHEM 435 ORGANIC CHEMISTRY SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT

01365	LECT-DISC	4	M TH	217	N L		APPLEQUIST

CHEM 440 PHYSICAL CHEMISTRY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

01366	LECT	10	M W F	217	N L		

CHEM 441 CHEMICAL THERMODYNAMICS.
PREREQUISITE--CHEM. 342 AND 344 OR EQUIVALENT.
1 UNIT

01367	LECT	10	M W F	115	E C		

CHEM 445 PHYSICAL CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS PHYSICAL CHEMISTRY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 OR 1/2 UNIT

01368	LECT-DISC	4	W	193	E C		

CHEM 447 QUANTUM CHEMISTRY, II.
PREREQUISITE--CHEM. 446 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

01369	LECT	11	M W F	201	N L		FLYGARE

CHEM 452 EXPERIMENTAL TECHNIQUES IN BIOCHEMISTRY.
PREREQUISITE--CHEM. 350 AND 355.
3/4 OR 1 UNIT

01370	CONF	1	TU	314	E C		HASTINGS, TODD
01370	LAB	2-5	TU	314	E C		AND ASSISTANTS
		1-5	TH	314	E C		

CHEM 455 BIOCHEMISTRY SEMINAR.
REQUIRED OF GRADUATE STUDENTS WHOSE MAJOR IS BIOCHEMISTRY.
PREREQUISITE--CHEM. 350 AND 355, OR EQUIVALENT.
1/2 UNIT

01371	LECT-DISC	4	F	116	E C		WOLD

CHEM 494 CHEMICAL BASIS OF BIOLOGICAL SPECIFICITY.
SAME AS MCBIO. 494.
PREREQUISITE--CHEM. 344, 350 AND 346 OR 450, MCBIO. 330, OR CONSENT OF INSTRUCTOR.
3/4 UNIT

01372	LECT-DISC	10	TU TH	116	E C	WEBER,
		10	S	115	E C	SPIEGELMAN, NISINOFF

CHEM 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING FIELDS, SUBJECT TO THE APPROVAL OF ONE OF THE QUALIFIED STAFF MEMBERS-

ANALYTICAL CHEMISTRY . . .BROWNLEE, HARTLEY, JUVET, LAITINEN, MALMSTADT, PFLUGER

BIOCHEMISTRY . . . CARTER, CLARK, CONRAD, GUNSALUS, HAGER, HASTINGS, RUTTER, SPIEGELMAN, TODD WEBER, WOLD.

BIOPHYSICAL CHEMISTRY . . . HASTINGS, VAN HOLDE, WEBER, WOLD

INORGANIC CHEMISTRY . . . BAILAR, BROWN, DRAGO, KAY, D F MARTIN, MOELLER, PIPER

ORGANIC CHEMISTRY . . . APPLEQUIST, BALDWIN, BEAK, CURTIN, LEONARD, J C MARTIN, PIRKLE, RINEHART, SMITH, SNYDER

PHYSICAL CHEMISTRY . BELFORD, DRICKAMER, FLYGARE, GOODISMAN, GUTOWSKY,HUMMEL,MARCUS,VAN HOLDE,YANKWICH

CHEMISTRY--
APPLIED ELECTROCHEMISTRY--ORGANIC AND INORGANIC . . . SWANN

RADIO CHEMISTRY . . . . . NYSTROM, BROWNLEE, KAY, HUMMEL
RESEARCH FOR THE PH. D. IS ALSO OFFERED IN SPECIALIZED FIELDS OTHER THAN THOSE ILLUSTRATED ABOVE. STUDENTS WHO INTEND TO MAJOR IN CHEMISTRY IN ONE OF THESE SPECIAL FIELDS SHOULD CONSULT WITH THE PROFESSOR IN CHARGE OF THE THESIS AND WITH THE HEAD OF THE DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING IN REGARD TO THE

01373	CONF		ARR					STAFF

CHEMICAL ENGINEERING

COURSES FOR ADVANCED UNDERGRADUATES

CH E 261 STOICHIOMETRY.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 342 OR CHEM. 245 AND 246.
3 HOURS

01374	LECT		11	M W	101	E C	HANRATTY
01375	QUIZ	A	11	F	101	E C	

CH E 290 THESIS.
LIMITED IN GENERAL TO SENIORS IN THE CHEMICAL ENGINEERING CURRICULUM ANY OTHERS MUST HAVE THE CONSENT OF THE HEAD OF THE DEPARTMENT.
*EACH STUDENT MUST REGISTER IN A MINIMUM OF FIVE HOURS EITHER IN ONE SEMESTER OR DIVIDED OVER TWO SEMESTERS. A MAXIMUM REGISTRATION OF TEN HOURS IN TWO SEMESTERS IS PERMITTED. HOWEVER, CH. E. 379 TWO HOURS, MAY BE SUBSTITUTED FOR TWO OF THE FIVE HOURS REQUIRED IN CH. E. 290. IN ORDER TO RECEIVE CREDIT, A THESIS MUST BE PRESENTED BY EACH STUDENT REGISTERED IN CH. E. 290.
*2 TO 6 HOURS

01376	CONF	&	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

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CH E  367     INTRODUCTION TO PROCESS CONTROL.
         PREREQUISITE--MATH. 345 OR 343, CH. E. 371.
         3 HOURS, OR 3/4 UNIT
       01377    LECT              11            W  F   199  E C            SCHMITZ
       01377    LAB                1-5          W      201  E C


CH E  373     PRINCIPLES OF CHEMICAL ENGINEERING.
         PREREQUISITE--CH. E. 371.
         4 HOURS, OR 1 UNIT
       01378    LECT               9         M  W  F   115  E C            HUDSON
       01378    QUIZ               9            TH     115  E C


CH E  374     UNIT OPERATIONS LABORATORY.
         PREREQUISITE--CREDIT OR REGISTRATION IN CH. E. 373.
         3 HOURS, OR 1/2 UNIT
         *TWO HOURS TO BE ARRANGED.
       01379    CONF       B    *ARR                                         HUDSON
       01379    LAB        B        1-6          W        8  E C
       01380    CONF       C    *ARR
       01380    LAB        C        1-6           TH      8  E C


CH E  379     CHEMICAL ENGINEERING PROJECTS.
         PREREQUISITE--SENIOR STANDING IN CHEMISTRY OR CHEMICAL ENGINEERING.
         2 HOURS, OR 1/2 UNIT
       01381    LAB                1-6       M          194  E C            SCHMITZ


CH E  382     THE PREDICTION OF PHYSICAL PROPERTIES
         PREREQUISITE--ONE YEAR OF PHYSICAL CHEMISTRY
         2 HOURS, OR 1/2 UNIT
       01382    LECT               8         M  W       101  E C            DRICKAMER
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COURSES FOR GRADUATES

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CH E  464     DIFFUSIONAL OPERATIONS.
         PREREQUISITE--CH. E 373.
         1 UNIT
       01383    LECT               9         M  W  F   101  E C            QUINN


CH E  465     CHEMICAL ENGINEERING SEMINAR.
         REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS CHEMICAL
         ENGINEERING.
         PREREQUISITE--CH. E. 373.
         1/4 UNIT
       01384    LECT-DISC          4               F   193  E C            WESTWATER


CH E  499     THESIS RESEARCH.
         0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
                                 DRICKAMER, HANRATTY, HUDSON,
                                 PERLMUTTER, QUINN, SWANN, SCHMITZ,
                                 WESTWATER
       01385    CONF              ARR                                        STAFF
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DEPARTMENT OFFICE 203 C E H

COURSES FOR UNDERGRADUATES

C E 195 INTRODUCTION TO CIVIL ENGINEERING.
PREREQUISITE--SOPHOMORE STANDING IN CIVIL ENGINEERING.
1 HOUR

01386	CONF	E1	4	M		421	C E H
01387	CONF	E2	4	M		306	C E H
01388	CONF	E3	4	M		111	T L
01389	CONF	E4	4	M		202	C E H
01390	CONF	E5	4	M		208	C E H
01391	CONF	F1	4		W	421	C E H
01392	CONF	F2	4		W	423	C E H
01393	CONF	F3	4		W	306	C E H
01394	CONF	F4	4		W	111	T L

COURSES FOR ADVANCED UNDERGRADUATES

C E 200 GENERAL SURVEYING.
PREREQUISITE--G E 101, MATH. 114 OR EQUIVALENT.
FOR STUDENTS IN OTHER DEPARTMENTS.
*NO CREDIT FOR CIVIL ENGINEERING STUDENTS.
*3 HOURS

01395	LAB-DISC	G	1-4	M	F	421	C E H
01396	LAB-DISC	H	1-4	TU TH		212	WOODSHOP

C E 201 SURVEYING, I.
PREREQUISITE--MATH. 263.
3 HOURS

01397	LAB-DISC	E	8-11	TU TH		104	WOODSHOP
01398	LAB-DISC	F1	1-4	TU TH		104	WOODSHOP
01399	LAB-DISC	F2	1-4	TU TH		324	C E H
01400	LAB-DISC	G	2-5	M		324	C E H
		G	1-4		F	324	C E H

C E 202 SURVEYING, II.
PREREQUISITE--C. E. 201.
3 HOURS

01401	LAB-DISC	E2	8-11	TU TH		324	C E H
01402	LAB-DISC	G	2-5	M	F	212	WOODSHOP
01403	LAB-DISC	F	1-4	TU TH		102	WOODSHOP
01404	LAB-DISC	E1	8-11	TU TH		212	WOODSHOP

C E 210 PROPERTIES OF SOILS.
PREREQUISITE--T A M 221, GEOL. 150, AND JUNIOR STANDING IN ENGINEERING OR ARCHITECTURE.
3 HOURS

01405	LECT-DISC	E	11	M W F		200	T L
01405	LAB	E	1-3		TH	201	T L
01406	LECT-DISC	F	9	M W F		200	T L
01406	LAB	F	10-12	TU		201	T L
01407	LECT-DISC	G	8	M W F		200	T L
01407	LAB	G	1-3	TU		201	T L
01408	LECT-DISC	H	10	M W F		200	T L
01408	LAB	H	8-10	TU		201	T L

C E 214 COMPOSITION AND PROPERTIES OF CONCRETE.
PREREQUISITE--T A M 223 OR 224 AND JUNIOR STANDING IN ENGINEERING OR ARCHITECTURE.
2 HOURS

01409	LECT-DISC	E	1	TU TH		200	T L
01409	LAB	E	2-4	TU		4	T L
01410	LECT-DISC	F	10	TU TH		200	T L
01410	LAB	F	8-10		TH	4	T L
01411	LECT-DISC	G	1	M W		200	T L
01411	LAB	G	2-4		W	4	T L
01412	LECT-DISC	H	11	TU TH		200	T L
01412	LAB	H	9-11	TU		4	T L

C E 215 ENGINEERING AND CONSTRUCTION ECONOMY.
PREREQUISITE--REGISTRATION OR CREDIT IN MATH. 195, JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

01413	LECT-DISC	E	10	M	W	F	324	C E H
01414	LECT-DISC	F	3	M	W	F	202	C E H
01415	LECT-DISC	G	930-11	TU	TH		322	C E H

C E 220 PAVEMENT ANALYSIS AND DESIGN.
PREREQUISITE--C E 210 AND CREDIT OR REGISTRATION IN C E 214.
3 HOURS

01416	LECT-DISC	E	2	M	W	F	208	C E H
01417	LECT-DISC	F	10	M	W	F	421	C E H
01418	LECT-DISC	H	2	M	W	F	400	C E H

C E 230 INTRODUCTION TO TRANSPORTATION ENGINEERING.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING, ARCHITECTURE OR CITY PLANNING, OR CONSENT OF INSTRUCTOR.
3 HOURS

01419	LECT-DISC	E	9	M	W	F	322	C E H

C E 241 WATER QUALITY AND WATER POLLUTION.
PREREQUISITE--T.A.M. 235.
3 HOURS

01420	LECT-DISC	E	1-220	TU	TH		202	C E H

C E 242 SANITARY ENGINEERING PROCESSES.
PREREQUISITE--T.A.M. 235.
3 HOURS

01421	LECT-DISC	E	10	M	W	F	208	C E H
01422	LECT-DISC	H	8-920	TU	TH		202	C E H

C E 250 HYDROLOGY.
PREREQUISITE--T.A.M. 235, MATH. 263.
3 HOURS

01423	LECT-DISC	E	9	M	W	F	202	C E H
01424	LECT-DISC	H	10	M	W	F	400	C E H

C E 251 ENGINEERING HYDRAULICS.
PREREQUISITE--T.A.M. 235.
3 HOURS

01425	LECT-DISC	E	230-4	TU	TH		202	C E H

C E 261 STRUCTURAL THEORY, I.
PREREQUISITE--T.A.M. 152 AND 221.
3 HOURS

01426	LECT-DISC	E	2	M	W	F	202	C E H
01427	LECT-DISC	F	8	M	W	F	208	C E H
01428	LECT-DISC	G	8-920	TU	TH		322	C E H
01429	LECT-DISC	H	930-11	TU	TH		202	C E H

C E 262 STRUCTURAL THEORY, II.
PREREQUISITE--C. E. 261.
3 HOURS

01430	LECT-DISC	E	8-920	TU	TH		400	C E H
01431	LECT-DISC	F	9	M	W	F	324	C E H
01432	LECT-DISC	G	11	M	W	F	202	C E H

C E 263 BEHAVIOR AND DESIGN OF METAL STRUCTURES, I.
PREREQUISITE--T.A.M. 224 AND C.E. 261, OR CONSENT OF INSTRUCTOR.
3 HOURS

01434	LECT-DISC	E1	11	M	W	F	400	C E H
01433	LECT-DISC	E2	11	M	W	F	320	C E H
01435	LECT-DISC	F	8	M	W	F	421	C E H
01436	LECT-DISC	G	9	M	W	F	400	C E H

C E 264 REINFORCED CONCRETE DESIGN, I.
PREREQUISITE--T.A.M. 224, C.E. 214, CREDIT OR REGISTRATION IN C.E. 262.
3 HOURS
NOTE--THREE-TWO HOUR DEMONSTRATION LABORATORIES TO BE ARRANGED.

01437	LECT-DISC	E1	8	M	W	F	322	C E H
01438	LECT-DISC	E2	8	M	W	F	202	C E H
01439	LECT-DISC	F	1	M	W	F	400	C E H
01440	LECT-DISC	G	11	M	W	F	421	C E H

C E 290 CONTRACTS AND SPECIFICATIONS.
SAME AS G. E. 290.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR ARCHITECTURE.
3 HOURS

01441	LECT-DISC	E	1	M	W	F	202	C E H
01442	LECT-DISC	F	10	M	W	F	202	C E H

C E 295 PROFESSIONAL PRACTICE.
PREREQUISITE--JUNIOR STANDING.
NO CREDIT

01443	LECT		4	W	319	C E H

C E 297 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING.
1 TO 4 HOURS

01444	CONF	&0	ARR

C E 299 THESIS.
PREREQUISITE--SENIOR STANDING, CONSENT OF HEAD OF THE DEPARTMENT.
1 TO 3 HOURS

01445	CONF	&	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

C E 302 PHOTOGRAMMETRIC ENGINEERING.
PREREQUISITE--C. E. 202 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01446	LECT-DISC	E	2-4	M	W	F	206	WOODSHOP

C E 303 PROPERTY LOCATION SURVEYS.
PREREQUISITE--CREDIT OR REGISTRATION IN C. E. 201 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

01447	LECT-DISC	E	11	M	W	F	212	WOODSHOP

C E 314 FUNDAMENTALS OF SYSTEMS APPROACH.
PREREQUISITE--C.E. 215, MATH. 263, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

01448	LECT		ARR

C E 315 CONSTRUCTION PRODUCTIVITY.
PREREQUISITE--C.E. 215, CREDIT OR REGISTRATION IN MATH. 263, OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01449	LECT-DISC	E	10	M	W	F	322	C E H

C E 316 CONSTRUCTION PLANNING.
PREREQUISITE--C.E. 315, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01450	LECT-DISC	E	230-4	TU TH	400	C E H

C E 318 CONSTRUCTION COST ANALYSES AND ESTIMATES.
PREREQUISITE--C.E. 315, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01451	LECT-DISC	E	1-220	TU TH	400	C E H

C E 321 BITUMINOUS MATERIALS AND MIX DESIGN.
PREREQUISITE--C.E. 214, C.E. 220, OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01452	LECT-DISC	H	2	M	W		200	T L
01452	LAB	H	1-3			F	201	T L

C E 322 DEVELOPMENT OF HIGHWAY FACILITIES.
PREREQUISITE--C.E. 220, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

01453	LECT-DISC	H	1	M W	324	C E H
01453	LAB	H	3-5	TU TH	309	C E H

C E 325 HIGHWAY TRAFFIC CHARACTERISTICS.
PREREQUISITE--C E 220 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT
01454 LECT-DISC H 11 M W F 324 C E H

C E 333 URBAN AND REGIONAL TRANSPORTATION.
PREREQUISITE--SENIOR OR GRADUATE STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
01455 LECT-DISC 8 M W F 320 C E H

C E 335 RAILWAY CONSTRUCTION AND MAINTENANCE.
PREREQUISITE--SENIOR STANDING, OR CONSENT OF INSTRUCTOR, CREDIT OR REGISTRATION IN C.E. 230 FOR THOSE WITH A MINOR IN RAILROAD OR TRANSPORTATION ENGINEERING.
3 HOURS, OR 1/2 OR 1 UNIT
01456 LECT-DISC E 1 M W F 322 C E H

C E 337 SIGNALS.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR, CREDIT OR REGISTRATION IN C.E. 230 FOR THOSE WITH A MINOR IN RAILROAD OR TRANSPORTATION ENGINEERING.
2 HOURS, OR 1/2 OR 1 UNIT
01457 LECT-DISC E 11 TU TH 322 C E H

C E 345 PUBLIC HEALTH ENGINEERING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT
01458 LECT-DISC 1 M W F 320 C E H

C E 349 FUNDAMENTALS OF RADIATION PROTECTION.
SAME AS NUC. E. 349.
PREREQUISITE--NUC. E. 397 OR PHYCS. 382 OR EQUIVALENT.
3 HOURS OR 3/4 OR 1 UNIT
01459 LECT 3 M W F 203 MET LAB

C E 351 HYDROMECHANICS.
PREREQUISITE--T. A. M. 235 AND C. E. 251.
3 HOURS OR 3/4 UNIT
01460 LECT 3 M W F 305 C E H

C E 353 HYDRAULIC STRUCTURES.
PREREQUISITE--C. E. 250 AND 251.
3 HOURS, OR 3/4 UNIT
01461 LECT-DISC 10 M W F 320 C E H

C E 354 HYDRAULIC ENGINEERING LABORATORY.
PREREQUISITE--T.A.M. 235.
3 HOURS, OR 3/4 UNIT
01462 LECT-DISC 1-4 TH HYD ENG LAB

C E 361 ADVANCED STRUCTURAL ANALYSIS.
PREREQUISITE--C. E. 262 OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT
01463 LECT-DISC E 930-11 TU TH 320 C E H

C E 363 BEHAVIOR AND DESIGN OF METAL STRUCTURES, II.
PREREQUISITE--C. E. 263 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
01464 LECT-DISC E 8-920 TU TH 320 C E H

C E 364 REINFORCED CONCRETE DESIGN, II.
PREREQUISITE--C. E. 264, CREDIT OR REGISTRATION IN C. E. 262.
3 HOURS, OR 3/4 OR 1 UNIT
01465 LECT-DISC E 11 M W F 322 C E H

C E 366 BEHAVIOR OF REINFORCED CONCRETE MEMBERS.
PREREQUISITE--UNDERGRADUATES-SENIOR STANDING AND C.E. 264, GRAD STUDENTS-B.S.DEGREE IN C.E. OR ARCHITECTURE WITH COURSES IN STRUCTURES AND REINFORCED CONCRETE DESIGN.
4 HOURS, OR 1 UNIT
01466 LECT-DISC E 10 M W F 319 C E H

C E 368 PRESTRESSED CONCRETE.
PREREQUISITE--C. E. 262, 264.
3 HOURS, OR 3/4 OR 1 UNIT

01467	LECT-DISC	E	3	M	W	F	320	C	E	H

C E 369 BEHAVIOR AND DESIGN OF WOOD STRUCTURES.
PREREQUISITE--C.E. 261 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01468	LECT-DISC		9	M	W	F	320	C	E	H

C E 380 FOUNDATION ENGINEERING.
PREREQUISITE--C E 210, SENIOR STANDING.
3 HOURS, OR 1 UNIT

01469	LECT-DISC	E	930-11	TU	TH		400	C	E	H
01470	LECT-DISC	F	8	M	W	F	400	C	E	H
01471	LECT-DISC	G	9	M	W	F	421	C	E	H

C E 383 SOIL MECHANICS.
UNDERGRADUATE PREREQUISITE--C.E. 210, SENIOR STANDING AND CONSENT OF INSTRUCTOR. GRADUATE PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01472	LECT-DISC	E	230-4	TU	TH		320	C	E	H
01473	LECT-DISC	F	8	M	W	F	305	C	E	H
01474	LECT-DISC	G	1	M	W	F	319	C	E	H
01475	LECT-DISC	H	1	M	W	F	305	C	E	H

C E 384 APPLIED SOIL MECHANICS.
PREREQUISITE--C.E. 383, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01476	LECT-DISC	E	1-220	TU	TH		320	C	E	H
01477	LECT-DISC	F	11	M	W	F	208	C	E	H

C E 385 ENGINEERING ASPECTS OF SURFICIAL SOILS.
PREREQUISITE--C.E. 210 OR CONSENT OF INSTRUCTOR. FIELD TRIP--ESTIMATED COST, $5.
4 HOURS, OR 1 UNIT

01478	LECT-DISC	E	3	M	W	F	200	T	L	
01478	LAB	E	8-10		TH		201	T	L	

C E 391 NUMERICAL AND COMPUTER APPLICATIONS IN CIVIL ENGINEERING.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN CIVIL OR ARCH. ENG. OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

01479	LECT-DISC	E1	9	M	W	F	305	C	E	H
01480	LECT-DISC	E2	9	M	W	F	319	C	E	H

COURSES FOR GRADUATES

C E 401 GEODETIC ENGINEERING.
PREREQUISITE--B.S. IN CIVIL ENGINEERING.
1 UNIT

01481	LECT-DISC	E	ARR	SCHMIDT

C E 403 PHOTOGRAMMETRY.
PREREQUISITE--C.E. 302, OR CONSENT OF INSTRUCTOR.
1 UNIT

01482	LECT-DISC	E	ARR	KARARA

C E 416 DESIGN OF CONSTRUCTION AND INDUSTRIAL OPERATIONS, I.
SAME AS I. E. 416.
PREREQUISITE--B.S. IN C. E. OR I. E., CREDIT OR REGISTRATION IN MATH. 363, OR CONSENT OF INSTRUCTOR.
1 UNIT

01483	LECT	E	1-220	TU	TH		208	C	E	H

SHAFFER

C E 420 PAVEMENT DESIGN, I.
PREREQUISITE--C.E. 220, OR EQUIVALENT.
1 UNIT

01484	LECT-DISC	E	8	M	W	F	324	C	E	H

DANNER

C E 426 TRAFFIC PLANNING.
PREREQUISITE--C.E. 325 OR EQUIVALENT.
1 UNIT

01485	LECT-DISC	E	2	M W F	322	C E H	BAERWALD

C E 435 RAILWAY CONSTRUCTION AND MAINTENANCE.
PREREQUISITE--C.E. 335.
1 UNIT

01486	LECT-DISC	E	2	TU TH	322	C E H	HAY

C E 440 THEORY OF WATER TREATMENT.
PREREQUISITE--CHEM. 122, MCBIO. 101.
1 UNIT

01487	LECT-DISC	G	8-10	TU TH	208	C E H	EWING

C E 441 WATER PURIFICATION LABORATORY AND DESIGN.
PREREQUISITE--CREDIT OR REGISTRATION IN C.E. 440, OR CONSENT OF INSTRUCTOR.
1 UNIT

01488	LECT-DISC	G	1-5	TU TH	SANITARY ENG LAB		ARR

C E 445 FUNDAMENTALS OF BIOLOGICAL TREATMENT.
PREREQUISITE--CREDIT OR REGISTRATION IN C.E. 443 OR CONSENT OF INSTRUCTOR.
1 UNIT

01489	LECT-DISC	G	10-12	TU	208	C E H	ENGELBRECHT
01489	LAB	G	10	TH	208	C E H	

C E 450 ADVANCED HYDROLOGIC ANALYSIS AND DESIGN.
PREREQUISITE--B.S. DEGREE IN C.E., OR CONSENT OF INSTRUCTOR.
1 UNIT

01490	LECT-DISC	G	9	M W F	208	C E H	CHOW

C E 460 STRUCTURAL ANALYSIS.
PREREQUISITE--B.S. DEGREE IN ENGINEERING AND UNDERGRADUATE COURSE IN THEORY OF SIMPLE STRUCTURES.
1 UNIT

01491	LECT-DISC	F	3	M W F	208	C E H	OLIVER

C E 461 STRUCTURAL THEORY AND DESIGN.
PREREQUISITE--B.S. IN C.E., AND C.E. 361, OR C.E. 460, OR EQUIVALENT
1 UNIT

01492	LECT-DISC	F	2	M W F	319	C E H	STALLMEYER

C E 465 STRUCTURAL DESIGN IN METALS.
PREREQUISITE--B.S. IN ENGINEERING WITH COURSES IN STRUCTURES.
1 UNIT

01493	LECT-DISC	F	1	M W F	208	C E H	GAYLORD

C E 470 STATISTICAL THEORY OF STRUCTURAL ENGINEERING.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

01494	LECT-DISC		8-920	TU TH	305	C E H	ANG

C E 471 NUMERICAL AND APPROXIMATE METHODS OF STRUCTURAL ANALYSIS.
1 TO 2 UNITS

01495	LECT-DISC	E	1-220	TU TH	305	C E H	ROBINSON
01496	LECT-DISC	F	2	M W F	305	C E H	

C E 473 ANALYSIS AND DESIGN OF PLATES AND SHELLS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 TO 2 UNITS

01497	LECT-DISC	F	3	M W F	322	C E H	

C E 475 BEHAVIOR OF STEEL STRUCTURES.
PREREQUISITE--GRADUATE STANDING IN C.E. OR T.A.M.
1 UNIT

01498	LECT-DISC	F	11	M W F	305	C E H	MUNSE

C E 477 DESIGN OF STRUCTURES FOR DYNAMIC LOADS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

01499	LECT-DISC	F	930-11	TU TH	305	C E H		HALTIWANGER

C E 479 APPLIED STRUCTURAL MECHANICS.
PREREQUISITE--MATH. 345 AND ONE UNDERGRADUATE COURSE IN STATICALLY INDETERMINATE STRUCTURES, OR CONSENT OF INSTRUCTOR.
1 UNIT

01500	LECT-DISC		10	M W F	305	C E H		ROBINSON

C E 481 EARTH DAMS AND RELATED PROBLEMS.
PREREQUISITE--CREDIT OR REGISTRATION IN C.E. 384 OR CONSENT OF INSTRUCTOR.
1 UNIT

01501	LECT-DISC	F	2	M W F	320	C E H		PECK-DEERE

C E 483 SOIL MECHANICS.
PREREQUISITE--C.E. 384, OR CONSENT OF INSTRUCTOR.
1 UNIT

01502	LECT-DISC	F	8	TU	200	T L		OLSON
01502	LAB	F	8-10	TH	200	T L		

C E 495 CIVIL AND SANITARY ENGINEERING SEMINAR.
*COURSE MAY BE REPEATED FOR CREDIT.
*0 OR 1/4 UNIT
*SECTION G--SANITARY, *SECTION H--HIGHWAY AND TRAFFIC,
*SECTION S--STRUCTURES.

01503	LECT	*G	11	TH	208	C E H		ENGELBRECHT
01504	LECT	*H	4	M	423	C E H		DANNER
01505	LECT	*S	4	TH	319	C E H		GAYLORD

C E 497 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 TO 4 UNITS

01506	CONF	0	ARR					STAFF

C E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION-M-IS FOR MASTERS DEGREE, *SECTION-D-IS FOR PH.D. DEGREE.

01507	CONF	*D	ARR					STAFF
01508	CONF	*M	ARR					STAFF

CLASSICS

DEPARTMENT OFFICE 360 L H

CLASSICAL CIVILIZATION

NOTE--THE FOLLOWING COURSES PRESUPPOSE NO KNOWLEDGE OF THE GREEK OR LATIN LANGUAGE AND ARE OPEN TO ALL STUDENTS. FOR OTHER COURSES IN THE AREA OF CLASSICAL CIVILIZATION SEE ARCH. 113, ART 311, HIST. 181, 182, 381, 382, 383, AND 384, AND PHIL. 303 AND 309.

COURSES FOR UNDERGRADUATES

CLCIV 111 MYTHOLOGY OF GREECE AND ROME.
2 HOURS

01509	LECT-DISC	A	10	TU TH	362	L H		DONOVAN
01510	LECT-DISC	B	11	TU TH	362	L H		SHUCARD
01511	LECT-DISC	C	3	TU TH	362	L H		SMITH

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CLCIV 301 CLASSICAL LITERARY TRADITIONS, I.
PREREQUISITE--COMPLETION OF THE FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES, OR THE EQUIVALENT.
3 HOURS, OR 1/2 UNIT

01512	LECT-DISC	A	9	M	W	F	362	L H	BATEMAN

CLCIV 361 THE ARCHAEOLOGY OF GREECE.
PREREQUISITE--A COURSE IN ANCIENT HISTORY, ART, OR LANGUAGE, OR CONSENT OF THE INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01513	LECT-DISC	A	3	M	W	F	362	L H	DONOVAN

COMMUNICATIONS

DEPARTMENT OFFICE 119 G H

THE GRADUATE PROGRAM LEADING TO THE DEGREE OF DOCTOR OF PHILOSOPHY IN COMMUNICATIONS IS ADMINISTERED BY AN INTERDISCIPLINARY COMMITTEE APPOINTED BY THE DEAN OF THE GRADUATE COLLEGE. STUDENTS SEEKING ADMISSION TO THIS PROGRAM SHOULD CONSULT THEODORE PETERSON, CHAIRMAN OF THE COMMITTEE.

OF THE COURSES OFFERED THIS SEMESTER, COMM. 472, 482, 490, 492, AND 499 ARE IN THE GENERAL CATEGORY, COMM. 307, 344, 372, 462, 468, 473, 481, AND 483 ARE IN GROUP A, AND COMM. 420, 424, 425, 451, AND 475 ARE IN GROUP B.

COURSES FOR ADVANCED UNDERGRADUATES

COMM 220 PROCESSES AND SYSTEMS OF COMMUNICATIONS.
SAME AS JOURN. 220.
3 HOURS

01514	LECT-DISC		10	M	W	F	113	G H	CAREY

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

COMM 307 THE ART OF THE SCREEN--NARRATION.
SAME AS SPCH. 307.
PREREQUISITE--TRAINING IN CRITICAL APPROACHES TO LITERATURE, DRAMA, ART, OR MUSIC, AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01515	LECT-DISC		3	M	W		304	L H	MUELLER
01515	LAB		3-5			F	304	L H	

COMM 344 PUBLIC OPINION.
SAME AS SOC. 344.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152, JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT

01516	LECT-DISC	A	2	M	W	F	331	G H	SIMON

COMM 372 SOCIAL ASPECTS OF MASS COMMUNICATIONS.
SAME AS JOURN. AND SOC. 372.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT

01517	LECT-DISC		2	M	W	F	123	G H	GERBNER

COMM 420 SEMINAR IN SEMANTICS.
SAME AS LING. 420 AND PHIL. 420.
PREREQUISITE--GRADUATE STANDING IN PHILOSOPHY OR EQUIVALENT.
1 UNIT

01518	LECT-DISC	730-920PM	TU		308	L H	

COMM 424 LINGUISTICS AND COMMUNICATION.
SAME AS LING. 424.
1 UNIT

01519	LECT-DISC	9-11		F	123	G H	MACLAY

COMM 425 PSYCHOLINGUISTICS.
SAME AS PSYCH. AND LING. 425.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

01520	LECT-DISC	11-1		TH	445	G H	MIRON

COMM 451 ADVANCED SOCIAL PSYCHOLOGY.
SAME AS PSYCH. 451.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING PSYCH. 255 OR EQUIVALENT.
1 UNIT

01521	LECT-DISC	10-12		F	307	G H	STEINER

COMM 462 SEMINAR IN RADIO AND TELEVISION.
SAME AS R. TV. 462.
1 UNIT

01522	LECT-DISC	3-5	M		123	G H	SKORNIA

COMM 468 THE POLITICAL ECONOMY OF COMMUNICATIONS, II.
SAME AS JOURN. 468.
PREREQUISITE--COMM. 467.
1 UNIT

01523	LECT-DISC	730-920PM	TU		123	G H	SCHILLER

COMM 471 PRO-SEMINAR IN COMMUNICATIONS, I.
SAME AS JOURN. 471.
1 UNIT

01524	LECT-DISC	3-5	TU		123	G H	PETERSON AND OTHERS

COMM 473 HISTORY AND THEORY OF FREEDOM OF THE PRESS.
SAME AS JOURN. 473.
1 UNIT

01525	LECT-DISC	1-3		TH	123	G H	JENSEN

COMM 481 ADVANCED ADVERTISING PRINCIPLES.
SAME AS ADV. AND MKTG. 481.
*GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388 AND COMM. 481.
*1 UNIT

01526	LECT-DISC	3-5	W		123	G H	SANDAGE

COMM 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
SAME AS ADV. AND MKTG. 482.
1 UNIT

01527	LECT-DISC	3-5		TH	123	G H	SIMON

COMM 483 ADVERTISING AND THE MASS MEDIA.
SAME AS ADV. AND MKTG. 483.
1 UNIT

01528	LECT-DISC	3-5	M		18	G H	MOYER

COMM 490 SPECIAL TOPICS IN COMMUNICATIONS.
PREREQUISITE--CONSENT OF CHAIRMAN OF COMMITTEE ON GRADUATE STUDY IN COMMUNICATIONS.
1/2 TO 2 UNITS

01529	CONF	ARR					STAFF

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COMM  492     RESEARCH METHODS IN COMMUNICATIONS.
              SAME AS JOURN. 492.
        PREREQUISITE--AN INTRODUCTORY STATISTICS COURSE OR CONSENT OF
        INSTRUCTOR.
        1 UNIT
        *ONE ADDITIONAL HOUR TO BE ARRANGED.
      01530    LECT-DISC          *2        M  W  F   113  G H


COMM  499     THESIS RESEARCH.
        PREREQUISITE--CONSENT OF CHAIRMAN OF COMMITTEE ON GRADUATE STUDY
        IN COMMUNICATIONS AND THESIS SUPERVISOR.
        *STUDENTS MAY ACCUMULATE A TOTAL OF 8 UNITS.
        *0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
      01531    CONF               ARR                                    STAFF
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COMPARATIVE LITERATURE

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              DEPARTMENT OFFICE                          107B
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COURSES FOR GRADUATES

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C LIT 401     THEORY OF LITERATURE.
        PREREQUISITE--READING KNOWLEDGE OF TWO MODERN FOREIGN LANGUAGES,
        CONSENT OF INSTRUCTOR.
        1 UNIT
      01532    LECT-DISC           4        M  W      303  E B


C LIT 451     SEMINAR IN LITERARY MOVEMENTS.
        PREREQUISITE--C. LIT. 401.
        *STUDENTS MAY ACCUMULATE 3 UNITS.
        *1 UNIT
      01533    CONF               3-5PM     TU       425A LIB
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DAIRY SCIENCE

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        DEPARTMENT OFFICE                   315  A S L
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COURSES FOR UNDERGRADUATES

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D S   100     INTRODUCTION TO DAIRY PRODUCTION.
              *STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
        *3 HOURS
      01534    LECT                9        M         135  A S L          HARSHBARGER AND
      01535    QUIZ        A       9           W      135  A S L          KENDALL
      01535    LAB         A      10-12       TU      STOCK PAVILION
      01536    QUIZ        B       9              F   N107  T H
      01536    LAB         B       8-10         W     STOCK PAVILION


D S   110     PLANT AND ANIMAL GENETICS.
              SAME AS AN. S., AGRON., AND HORT. 110.
        PREREQUISITE--BOT. 100, ZOOL. 104.
        3 HOURS
        *FOR VETERINARY MEDICINE STUDENTS ONLY.
      01537    LECT                2        M  W      135  A S L          ALEXANDER AND
      01538    LAB         1       1-3        TU      W 23  T H           OTHERS
      01539    LAB         2       3-5        TU      W 23  T H
      01540    LAB         3       1-3           TH   W 23  T H
      01541    LAB        *4       3-5        M       W 23  T H
      01542    LAB        *5       3-5              F  W 23  T H
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D S 120 PRINCIPLES OF ANIMAL NUTRITION.
SAME AS AN. S. 120.
REQUIRED FOR A MAJOR IN DAIRY SCIENCE.
PREREQUISITE--CHEM. 132 OR 133.
3 HOURS

01543	LECT-DISC		8	M W F	135	A S L		DRAPER

COURSES FOR ADVANCED UNDERGRADUATES

D S 205 DAIRY CATTLE MANAGEMENT.
3 HOURS

01544	LECT		11	M W F	153	A S L		ORMISTON

D S 220 FEEDS AND FEEDING.
SAME AS AN. S. 220.
PREREQUISITE--D. S. 120 OR EQUIVALENT.
3 HOURS
•FOR VETERINARY MEDICINE STUDENTS ONLY.

01545	LECT		11	M W	135	A S L		HARSHBARGER AN
01547	LAB-DISC	•A	10-12	TH	153	A S L		HATFIELD
01546	LAB-DISC	B	10-12	F	313	M H		

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

D S 300 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
3 TO 5 HOURS, OR 1/2 TO 1 UNIT

01548	DISC	A	ARR					SALISBURY AND STAFF

D S 330 REPRODUCTION AND ARTIFICIAL INSEMINATION OF FARM ANIMALS.
SAME AS AN. S. 330.
PREREQUISITE--ZOOL. 104 AND EITHER D. S. 100 OR AN. S. 100.
3 HOURS, OR 3/4 UNIT, 1/2 UNIT FOR FOUR WEEK SUMMER SESSION

01549	LECT		1	TU TH	414	A S L		LODGE
01549	LAB		2-4	TU	414	A S L		

COURSES FOR GRADUATES

D S 402 THE MICROBIOLOGY AND PHYSIOLOGY OF RUMINANT NUTRITION.
PREREQUISITE--CHEM. 350, 355, OR EQUIVALENT.
3/4 UNIT

01550	LECT		11	TU TH	341	A S L		BROWN AND WOLIN
01550	LAB		1-4	F	NUTR FIELD LAB			

D S 412 ADVANCED ENDOCRINOLOGY.
SAME AS AN. S., PHYSL., AND ZOOL. 412.
PREREQUISITE--CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE 2 UNITS.
•1/2 UNIT
TOPIC--BIOSYNTHESIS OF HORMONES

01551	DISC		730-10PM	M	140	BUR HALL		GORSKI, NALBANDOV, AND STOLPE

D S 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, I.
SAME AS AGRON., AN.S., HORT., AND V.M.S. 440.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

01552	LECT		9	M W F	W109	T H		JACOB AND SEIF
01553	LAB	A	1-3	M	N107	T H		
01554	LAB	B	3-5	M	N107	T H		
01555	LAB	C	1-3	TU	N107	T H		
01556	LAB	D	3-5	TU	N107	T H		

D S 450 DAIRY BACTERIOLOGY.
PREREQUISITE--TEN HOURS OF ADVANCED MICROBIOLOGY AND/OR CHEMISTRY, AND CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS

01557	LAB		ARR					WOLIN

D S 490 DAIRY SCIENCE SEMINAR.
PREREQUISITE--GRADUATE MAJOR OR MINOR IN DAIRY SCIENCE.
1/2 UNIT
01558 LECT-DISC 4 TH 341 A S L SALISBURY

D S 493 SPECIAL PROBLEMS.
1/2 TO 2 UNITS
01559 DISC ARR SALISBURY AND STAFF

D S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01560 DISC ARR SALISBURY AND STAFF

DAIRY TECHNOLOGY

SEE FOOD TECHNOLOGY

DANCE

DEPARTMENT OFFICE 126A W GYM

PROFESSIONAL COURSES FOR UNDERGRADUATES

DANCE 160 CONTEMPORARY DANCE, I.
1 HOUR
01561 LAB G 2 MTUWTHF 311 W GYM

DANCE 162 IMPROVISATION.
PREREQUISITE--DANCE 161 OR CONSENT OF INSTRUCTOR
1 HOUR
01562 LAB H 3 M W F 10 W GYM

DANCE 165 CONTEMPORARY DANCE, III.
PREREQUISITE--DANCE 161 OR CONSENT OF INSTRUCTOR.
1 HOUR
01563 LAB I 4 M W F 311 W GYM

PROFESSIONAL COURSES FOR ADVANCED UNDERGRADUATES

DANCE 235 SQUARE AND BALLROOM DANCE.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
01564 LAB-DISC B 9 MTUWTHF 218 E B

DANCE 241 PERCUSSION.
PREREQUISITE--DANCE 162 OR CONSENT OF INSTRUCTOR.
2 HOURS
01565 LAB-DISC R 1-3 TH 10 W GYM
R 1 TU 10 W GYM

DANCE 243 CREATIVE RHYTHMS FOR CHILDREN.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
01566 LAB 9-12 S 311 W GYM
01567 QUIZ G 2 M 211 W GYM

DANCE 260 ADVANCED CONTEMPORARY DANCE, I.
PREREQUISITE--DANCE 166 OR CONSENT OF INSTRUCTOR.
1 HOUR
01568 LAB I 4 MTU TH 10 W GYM

DANCE 262 ADVANCED CONTEMPORARY DANCE, III.
PREREQUISITE--DANCE 261 OR CONSENT OF INSTRUCTOR.
1 HOUR

01569	LAB	I	4	MTU TH	10	W	GYM

DANCE 265 CONCERT DANCE, II.
PREREQUISITE--DANCE 264 OR CONSENT OF INSTRUCTOR.
2 HOURS

01570	LAB-DISC	P	11-1	TU TH	10	W	GYM

DANCE 266 BALLET TECHNIQUES
PREREQUISITE--DANCE 166 OR CONSENT OF INSTRUCTOR.
1 HOUR

01571	LAB	F	1	M W F	10	W	GYM

DANCE 340 HISTORY OF DANCE.
PREREQUISITE--SENIOR OR GRADUATE STANDING AND/OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01572	LECT	D	11	M W F	207B	W	GYM

COURSES FOR GRADUATES

DANCE 400 PROBLEMS IN DANCE EDUCATION.
PREREQUISITE--DANCE 243 OR 244 OR EQUIVALENT.
1 UNIT

01573	LECT-DISC	I	4-6	M	207B	W	GYM

DANCE 401 CHOREOGRAPHY.
PREREQUISITE--DANCE 345 OR EQUIVALENT.
1/2 TO 2 UNITS

01574	LAB	ARR	

DIVISION OF GENERAL STUDIES L A S

DEPARTMENT OFFICE 221 A H

COURSES FOR UNDERGRADUATES

D G S 111 VERBAL COMMUNICATION.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
STUDENTS IN LECTURE 1 MUST REGISTER IN DISCUSSION SECTIONS UNDER LECTURE 1. THOSE IN LECTURE 2 REGISTER IN DISCUSSION SECTIONS UNDER LECTURE 2.

01575	LECT	1	9	F	112	G	H		HILL AND STAFF
01576	DISC	A1	8	M W F	141	A	H		
01577	DISC	A2	8	M W F	137	ADMIN			
01578	DISC	C1	10	M W F	141	A	H		
01579	DISC	C2	10	M W F	143	A	H		
01580	DISC	C3	10	M W F	137	ADMIN			
01581	DISC	D1	11	M W F	141	A	H		
01582	DISC	D2	11	M W F	143	A	H		
01583	DISC	D3	11	M W F	137	ADMIN			
01584	DISC	X1	12	M W F	141	A	H		
01585	DISC	X2	12	M W F	137	ADMIN			
01586	DISC	X3	12	M W F	241	N	H	B	
01587	DISC	X4	12	M W F	254	ADMIN			
01588	DISC	E1	1	M W F	141	A	H		
01589	DISC	E2	1	M W F	143	A	H		
01590	DISC	E3	1	M W F	202	H	H		
01591	DISC	H1	4	M W F	241	N	H	B	
01592	LECT	2	11	F	112	G	H		
01593	DISC	B1	9	M W F	141	A	H		
01594	DISC	B2	9	M W F	143	A	H		
01595	DISC	B3	9	M W F	254	ADMIN			
01596	DISC	F1	2	M W F	141	A	H		

D G S 111 CONTINUED

01597	DISC	F2	2	M W F	143	A H			
01598	DISC	F3	2	M W F	241	N H B			
01599	DISC	F4	2	M W F	137	ADMIN			
01600	DISC	G1	3	M W F	141	A H			
01601	DISC	G2	3	M W F	143	A H			
01602	DISC	G3	3	M W F	254	ADMIN			
01603	DISC	G4	3	M W F	241	N H B			
01604	DISC	G5	3	M W F	137	ADMIN			
01605	DISC	H2	4	M W F	137	ADMIN			
01606	DISC	H3	4	M W F	254	ADMIN			
01607	DISC	J	8	TU TH S	143	A H			
01608	DISC	K	9	TU TH S	143	A H			
01609	DISC	L	10	TU TH S	143	A H			
01610	DISC	M	11	TU TH S	143	A H			

D G S 112 VERBAL COMMUNICATION.

PREREQUISITE--D.G.S. 111.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*4 HOURS

*SECTIONS &S1 AND &S2 ARE RESERVED FOR SUPERIOR STUDENTS--BY PLACEMENT ONLY. THE 10 A.M. LECTURE IS NOT REQUIRED FOR SECTIONS &S1 AND &S2.

01611	LECT		10	TU	202	H H			DRAPER
01612	DISC	A	8	M W F	143	A H			
01613	DISC	C	10	M W F	254	ADMIN			
01614	DISC	X	12	M W F	143	A H			
01615	DISC	*&S1	4	M WTHF	141	A H			
01616	DISC	*&S2	4	M WTHF	143	A H			

D G S 121 HISTORY OF CIVILIZATION, I.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*4 HOURS

*STUDENTS IN LECT 1 MUST REGISTER IN DISCUSSION SECTIONS UNDER LECT 1. THOSE IN LECT 2 REGISTER IN DISCUSSION SECTIONS UNDER LECT 2.

01632	LECT	*1	9	M W	314	A H			MCCAFFREY
01617	DISC	A1	8	TU TH	141	A H			BOOTHE
01618	DISC	A2	8	TU TH	245	A H			CURTIN
01619	DISC	B2	9	TU TH	247	A H			GAGLIANO
01620	DISC	C2	10	TU TH	247	A H			RODNITZKY
01621	DISC	D1	11	TU TH	141	A H			
01622	DISC	D2	11	TU TH	241	A H			
01623	DISC	D3	11	TU TH	343	A H			
01624	DISC	E2	1	TU TH	143	A H			
01625	DISC	F2	2	TU TH	143	A H			
01626	DISC	G2	3	TU TH	143	A H			
01633	LECT	*2	11	M W	314	A H			
01627	DISC	B1	9	TU TH	141	A H			
01628	DISC	C1	10	TU TH	141	A H			
01629	DISC	E1	1	TU TH	141	A H			
01630	DISC	F1	2	TU TH	141	A H			
01631	DISC	G1	3	TU TH	141	A H			

D G S 131 BIOLOGICAL SCIENCE, I.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*4 HOURS

*SECTION &3 IS RESERVED FOR SUPERIOR STUDENTS.

01634	LECT	A	1	TU TH	228	N H B			KUGLER
01635	LECT	B	2	TU TH	228	N H B			GLAWE
01636	LAB-DISC	1	8-10	M W	432	N H B			LEE
01637	LAB-DISC	2	8-10	M F	425	N H B			PHILLIPS
01658	LAB-DISC	*&3	8-10	TU TH	432	N H B			
01638	LAB-DISC	4	8-10	TU TH	425	N H B			
01639	LAB-DISC	5	8-10	TU TH	423	N H B			
01640	LAB-DISC	6	8-10	W F	432	N H B			
01641	LAB-DISC	7	8-10	W F	423	N H B			
01642	LAB-DISC	8	10-12	M W	432	N H B			
01643	LAB-DISC	9	10-12	M F	425	N H B			
01644	LAB-DISC	10	10-12	TU TH	432	N H B			
01645	LAB-DISC	11	10-12	TU TH	425	N H B			
01646	LAB-DISC	12	10-12	TU TH	423	N H B			
01647	LAB-DISC	13	10-12	W F	432	N H B			
01648	LAB-DISC	14	10-12	W F	423	N H B			
01649	LAB-DISC	15	1-3	M W	432	N H B			
01650	LAB-DISC	16	1-3	M W	423	N H B			
01651	LAB-DISC	17	1-3	M F	425	N H B			
01652	LAB-DISC	18	1-3	W F	432	N H B			
01653	LAB-DISC	19	3-5	M W	432	N H B			
01654	LAB-DISC	20	3-5	M W	423	N H B			
01655	LAB-DISC	21	3-5	TU TH	432	N H B			
01656	LAB-DISC	22	3-5	TU TH	425	N H B			
01657	LAB-DISC	23	3-5	TU TH	423	N H B			

D G S 141 PHYSICAL SCIENCE, I.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*SECTION &S IS RESERVED FOR SUPERIOR STUDENTS.

01659	LECT	1	11	M W F	103	M H		DENNISON
01660	LECT	2	1	M W F	103	M H		ROSEN
01661	DISC	A1	8	TU TH	9	C A		TEXTORIS
01662	DISC	A2	8	TU TH	8	C A		
01663	DISC	B1	9	TU TH	9	C A		
01664	DISC	B2	9	TU TH	8	C A		
01665	DISC	C1	10	TU TH	9	C A		
01666	DISC	C2	10	TU TH	8	C A		
01667	DISC	D1	11	TU TH	9	C A		
01668	DISC	D2	11	TU TH	8	C A		
01669	DISC	X1	12	TU TH	9	C A		
01670	DISC	E1	1	TU TH	9	C A		
01671	DISC	E2	1	TU TH	8	C A		
01676	DISC	*&S	2	TU TH	9	C A		
01672	DISC	F2	2	TU TH	8	C A		
01673	DISC	G1	3	TU TH	9	C A		
01674	DISC	G2	3	TU TH	8	C A		
01675	DISC	H1	4	TU TH	9	C A		

D G S 142 PHYSICAL SCIENCE, II.

PREREQUISITE--D.G.S. 141 OR CONSENT OF INSTRUCTOR.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

01677	LECT		3	M W F	100	M M B		DENNISON
01678	DISC	B	9	TU TH	210	C A		
01679	DISC	C	10	TU TH	210	C A		
01680	DISC	F	2	TU TH	210	C A		
01681	DISC	G	3	TU TH	210	C A		

D G S 151 SOCIAL SCIENCE.

PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
4 HOURS

01682	LECT		11	M W	124	BUR HALL		AGASSI
01683	DISC	C	10	TU TH	245	A H		
01684	DISC	D	11	TU TH	245	A H		

D G S 161 LITERATURE AND FINE ARTS, I.

PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
4 HOURS
*STUDENTS IN DISC A OR B MUST TAKE LECT 1, THOSE IN C OR D MUST TAKE LECT. 2.

01685	LECT	1	9	M W F	196	L H		HERRICK
01687	DISC	*A	9	TU	196	L H		LOFTUS
01688	DISC	*B	9	TH	196	L H		
01686	LECT	2	2	M W F	196	L H		DRAPER
01689	DISC	*C	2	TU	196	L H		
01690	DISC	*D	2	TH	196	L H		

D G S 171 PSYCHOLOGY.

PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
4 HOURS

01691	LECT		10	M W F	202	H H		COSTIN
01692	DISC	C	10	TH	341	A H		
01693	DISC	D	11	TH	341	A H		
01694	DISC	E	1	TH	137	ADMIN		

ECONOMICS

DEPARTMENT OFFICE 226 D K H

A LIST OF INSTRUCTORS WILL BE POSTED IN THE ECONOMICS OFFICE IN SEPTEMBER, 1964.

MAJOR--FOR L A S STUDENTS WHO ENTERED THE UNIVERSITY SEPTEMBER, 1963, AND AFTER--TWENTY HOURS IN ECONOMICS, INCLUDING ECON. 108- OR 102 AND 103-171, 300, AND 301. MATH. 124 AND 134 OR 358 AND 359 ARE ALSO REQUIRED. LIBERAL ARTS MAJORS ARE STRONGLY ADVISED TO ELECT ACCY. 201, WHICH IS NOT ACCEPTABLE TOWARD THE MAJOR REQUIREMENT.

FOR L A S STUDENTS WHO ENTERED THE UNIVERSITY BEFORE SEPTEMBER, 1963--TWENTY HOURS IN ECONOMICS, INCLUDING ECON. 108 OR 102 AND 103, AND ECON. 300 AND 301. LIBERAL ARTS MAJORS IN ECONOMICS ARE STRONGLY ADVISED TO ELECT ECON. 171 AND ACCY 201. ECON. 171 IS ACCEPTABLE TOWARD THE TWENTY-HOUR MAJOR, BUT ACCY. 201 IS NOT ACCEPTABLE TOWARD THE MAJOR REQUIREMENT.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, EDUCATION, FINANCE, GEOGRAPHY, GEOLOGY, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIAL WORK, SOCIOLOGY. AN ECONOMICS MAJOR WHO CHOOSES FINANCE AS A MINOR MUST INCLUDE TWELVE HOURS IN A SECOND MINOR. THE CURRICULUM IN LATIN-AMERICAN OR RUSSIAN AREA STUDIES IS ACCEPTED AS A MINOR.

NOTE--ECON. 102 AND 103 ARE REQUIRED FOR ALL COMMERCE STUDENTS, AND THESE OR 108 ARE REQUIRED FOR ALL LIBERAL ARTS MAJORS IN ECONOMICS. STUDENTS WHO EXPECT TO DO ADVANCED WORK IN ECONOMICS SHOULD TAKE THESE COURSES IN THEIR SOPHOMORE YEAR.

COURSES FOR UNDERGRADUATES

ECON 102 PRINCIPLES OF ECONOMICS, I.
PREREQUISITE--ONE SEMESTER OF UNIVERSITY WORK
3 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

01718	LECT-DISC	*&D	11	M W F	126	COM W
01695	LECT	1	2	M	141	COM W
01696	LECT	2	3	M	141	COM W
01697	QUIZ	J1	8	TU TH	126	COM W
01698	QUIZ	J2	8	TU TH	24	COM W
01699	QUIZ	J3	8	TU TH	140	COM W
01700	QUIZ	K1	9	TU TH	126	COM W
01701	QUIZ	K2	9	TU TH	24	COM W
01702	QUIZ	K3	9	TU TH	140	COM W
01703	QUIZ	L1	10	TU TH	126	COM W
01704	QUIZ	L2	10	TU TH	24	COM W
01705	QUIZ	L3	10	TU TH	140	COM W
01706	QUIZ	M1	11	TU TH	126	COM W
01707	QUIZ	M2	11	TU TH	24	COM W
01708	QUIZ	M3	11	TU TH	140	COM W
01709	QUIZ	N1	1	TU TH	126	COM W
01710	QUIZ	N2	1	TU TH	223	D K H
01711	QUIZ	N3	1	TU TH	140	COM W
01712	QUIZ	O1	2	TU TH	126	COM W
01713	QUIZ	O2	2	TU TH	223	D K H
01714	QUIZ	O3	2	TU TH	140	COM W
01715	QUIZ	P1	3	TU TH	126	COM W
01716	QUIZ	P2	3	TU TH	223	D K H
01717	QUIZ	P3	3	TU TH	140	COM W

ECON 103 PRINCIPLES OF ECONOMICS, II.
PREREQUISITE--ECON. 102.
3 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

01719	LECT-DISC	A	8	M W F	125	D K H
01720	LECT-DISC	B	9	M W F	125	D K H
01721	LECT-DISC	C	10	M W F	125	D K H
01726	LECT-DISC	*&D	11	M W F	125	D K H
01722	LECT-DISC	E	1	M W F	125	D K H
01723	LECT-DISC	F	2	M W F	125	D K H
01724	LECT-DISC	G	3	M W F	125	D K H
01725	LECT-DISC	H	4	M W F	125	D K H

ECON 108 ELEMENTS OF ECONOMICS.
NOT OPEN TO COMMERCE STUDENTS OR STUDENTS WHO HAVE HAD ECON. 102 AND 103.
PREREQUISITE--FIRST SEMESTER FRESHMAN IN ENGINEERING, SECOND SEMESTER FRESHMAN IN OTHER COLLEGES.
3 HOURS
•SECTION &C1 OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.
•STUDENTS REGISTERING IN TELEVISION LECTURE B MUST REGISTER IN ONE OF THE FOLLOWING QUIZ SECTIONS.

01766	LECT	•B	9	M		F	103	M H	
01727	QUIZ	B1	9		W		111	D K H	
01728	QUIZ	B2	9		W		223	D K H	
01729	QUIZ	K1	9	TU			40	COM W	
01730	QUIZ	K2	9	TU			223	D K H	
01731	QUIZ	K3	9		TH		40	COM W	
01732	QUIZ	K4	9		TH		223	D K H	
01733	QUIZ	L1	10	TU			111	D K H	
01734	QUIZ	L2	10	TU			223	D K H	
01735	QUIZ	L3	10		TH		111	D K H	
01736	QUIZ	L4	10		TH		223	D K H	
01737	QUIZ	M1	11	TU			111	D K H	
01738	QUIZ	M2	11	TU			223	D K H	
01739	QUIZ	M3	11		TH		111	D K H	
01740	QUIZ	M4	11		TH		223	D K H	

•STUDENTS REGISTERING IN LECTURE E MUST REGISTER IN ONE OF THE FOLLOWING QUIZ SECTIONS.

01767	LECT	•E	1	M		F	112	G H	
01741	QUIZ	L5	10	TU			125	D K H	
01742	QUIZ	L6	10		TH		125	D K H	
01743	QUIZ	M5	11	TU			119	D K H	
01744	QUIZ	M6	11		TH		119	D K H	
01745	QUIZ	N1	1	TU			36	COM W	
01746	QUIZ	N2	1	TU			40	COM W	
01747	QUIZ	N3	1		TH		36	COM W	
01748	QUIZ	N4	1		TH		40	COM W	
01749	QUIZ	O1	2	TU			36	COM W	
01750	QUIZ	O2	2	TU			40	COM W	
01751	QUIZ	O3	2		TH		36	COM W	
01752	QUIZ	O4	2		TH		40	COM W	
01753	QUIZ	P1	3	TU			36	COM W	
01754	QUIZ	P2	3		TH		36	COM W	
01755	LECT-DISC	A1	8	M	W	F	130	COM W	
01756	LECT-DISC	A2	8	M	W	F	24	COM W	
01757	LECT-DISC	A3	8	M	W	F	36	COM W	
01765	LECT-DISC	•&C1	10	M	W	F	111	D K H	
01758	LECT-DISC	C2	10	M	W	F	223	D K H	
01759	LECT-DISC	D1	11	M	W	F	111	D K H	
01760	LECT-DISC	F1	2	M	W	F	119	D K H	
01761	LECT-DISC	F2	2	M	W	F	222	D K H	
01762	LECT-DISC	G1	3	M	W	F	111	D K H	
01763	LECT-DISC	G2	3	M	W	F	222	D K H	
01764	LECT-DISC	H	4	M	W	F	130	COM W	

•SECTION L IS OPEN ONLY TO THOSE PREPARING TO TEACH IN THE PUBLIC SCHOOLS.

01768	LECT-DISC	•L	10	TU	TH		40	COM W	
		•L	11		TH		40	COM W	

ECON 109 ELEMENTS OF ECONOMICS.
FOR NON-COMMERCE STUDENTS. PREREQUISITE--ECON. 108.
3 HOURS

01769	LECT-DISC	B	9	M	W	F	119	D K H	
01770	LECT-DISC	D	11	M	W	F	119	D K H	
01771	LECT-DISC	E	1	M	W	F	119	D K H	
01772	LECT-DISC	G	3	M	W	F	119	D K H	

ECON 136 AMERICAN ECONOMIC HISTORY.
OPEN ONLY TO FRESHMEN AND SOPHOMORES.
3 HOURS

01773	LECT-DISC	B	9	M	W	F	24	COM W	
01774	LECT-DISC	E	1	M	W	F	111	D K H	

ECON 170 ELEMENTS OF STATISTICS.
PREREQUISITE--ECON. 102 OR 108, SOPHOMORE STANDING.
*NOT OPEN FOR CREDIT IN ADDITION TO ECON. 171, MATH. 161, OR PSYCH. 135.
*3 HOURS
*HONORS SECTION.

01775	LECT-DISC	A	8	M W F	40	COM W
		A	8	TU	206	D K H
01783	LECT-DISC	*&B1	9	M W F	40	COM W
		*&B1	9	TU	206	D K H
01776	LECT-DISC	B2	9	M W F	126	COM W
		B2	9	TH	206	D K H
01777	LECT-DISC	C	10	M W F	119	D K H
		C	10	TU	206	D K H
01778	LECT-DISC	D	11	M W F	223	D K H
		D	11	TU	206	D K H
01779	LECT-DISC	E	1	M W F	40	COM W
		E	1	TU	206	D K H
01780	LECT-DISC	F	2	M W F	223	D K H
		F	2	TU	206	D K H
01781	LECT-DISC	G1	3	M W F	223	D K H
		G1	3	TU	206	D K H
01782	LECT-DISC	G2	3	M W F	140	COM W
		G2	3	TH	206	D K H

ECON 171 APPLIED GENERAL STATISTICS.
FOR NON-COMMERCE STUDENTS ONLY.
PREREQUISITE--SOPHOMORE STANDING.
*NOT OPEN FOR CREDIT IN ADDITION TO ECON. 170, MATH. 161, OR PSYCH. 135.
*3 HOURS

01784	LECT-DISC	D	11	M W F	24	COM W

COURSES FOR ADVANCED UNDERGRADUATES

ECON 210 COMPARATIVE ECONOMIC SYSTEMS.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS
*SECTION &C OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

01785	LECT-DISC	A	8	M W F	245	COM W
01786	LECT-DISC	B	9	M W F	245	COM W
01792	LECT-DISC	*&C	10	M W F	245	COM W
01787	LECT-DISC	E	1	M W F	245	COM W
01788	LECT-DISC	F	2	M W F	245	COM W
01789	LECT-DISC	G	3	M W F	245	COM W
01790	LECT-DISC	H	4	M W F	245	COM W
01791	LECT-DISC	N	1	TU TH	245	COM W
		N	2	TU	245	COM W

ECON 214 GOVERNMENT FINANCE AND TAXATION.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01793	LECT-DISC	C	10	M W F	130	COM W
01794	LECT-DISC	D	11	M W F	140	COM W
01795	LECT-DISC	E	1	M W F	223	D K H
01796	LECT-DISC	L	10	TU TH	130	COM W
		L	11	TU	130	COM W

ECON 218 CURRENT ECONOMIC PROBLEMS--NATIONAL AND INTERNATIONAL.
FOR NON-COMMERCE STUDENTS ONLY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01797	LECT-DISC	F	2	M W F	140	COM W

ECON 228 INTERNATIONAL FINANCE.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01798	LECT-DISC	C	10	M W F	24	COM W

ECON 238 ECONOMIC DEVELOPMENT OF MODERN EUROPE.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01799	LECT-DISC	E	1	M W F	140	COM W

ECON 240 LABOR PROBLEMS.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01800	LECT-DISC	A	8	M	W	F	166	COM	W
01801	LECT-DISC	B	9	M	W	F	166	COM	W
01802	LECT-DISC	C	10	M	W	F	40	COM	W
01803	LECT-DISC	E	1	M	W	F	166	COM	W
01804	LECT-DISC	G	3	M	W	F	130	COM	W

ECON 246 ECONOMICS OF TRADE UNIONISM.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01805	LECT-DISC	D	11	M	W	F	40	COM	W

ECON 271 BUSINESS STATISTICS.
PREREQUISITE--ECON. 170, ECON. 102 AND 103, OR 108.
3 HOURS

01806	LECT-DISC	E	1	M	W	F	36	COM	W

ECON 288 GOVERNMENT REGULATION OF ECONOMIC ACTIVITY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01807	LECT-DISC	E	1	M	W	F	126	COM	W

ECON 290 HONORS COURSE.
PREREQUISITE--A MAJOR IN ECONOMICS, AT LEAST FIFTEEN HOURS OF ADVANCED COURSES.
2 TO 4 HOURS

01808	CONF	&	ARR

ECON 292 INDEPENDENT STUDY.
PREREQUISITE--CONSENT OF CHAIRMAN OF DEPARTMENT.
*TEN SEMESTER HOURS IN THIS DEPARTMENT OR SIXTEEN SEMESTER HOURS DIVIDED BETWEEN THIS AND ANY OTHER DEPARTMENT MAY BE ACCUMULATED
*3 TO 5 HOURS

01809	CONF	&	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ECON 300 INTERMEDIATE ECONOMIC THEORY AND ANALYSIS.
PREREQUISITE--ECON. 103, OR 109, OR A GRADE OF B OR BETTER IN ECON. 108.
3 HOURS, OR 1/2 UNIT

01810	LECT-DISC	N	1	TU	TH		130	COM	W
		N	2	TU			130	COM	W
01811	LECT-DISC	B	9	M	W	F	36	COM	W
01812	LECT-DISC	D	11	M	W	F	36	COM	W
01813	LECT-DISC	F	2	M	W	F	36	COM	W

ECON 301 MONETARY AND EMPLOYMENT THEORY.
PREREQUISITE--FIN. 250.
3 HOURS, OR 1/2 UNIT

01814	LECT-DISC	C	10	M	W	F	36	COM	W
01815	LECT-DISC	E	1	M	W	F	130	COM	W

ECON 304 MATHEMATICAL ANALYSIS IN ECONOMICS.
PREREQUISITE--ECON. 102 AND 103, OR 108 AND 109, MATH. 111 OR 112.
3 HOURS, OR 1/2 OR 1 UNIT

01816	LECT-DISC	C	10	M	W	F	126	COM	W

ECON 306 HISTORY OF ECONOMIC THOUGHT.
PREREQUISITE--ECON. 102 AND 103, OR 108, SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

01817	LECT-DISC	D	11	M	W	F	130	COM	W

ECON 312 THE SOVIET ECONOMY.
PREREQUISITE--ECON. 102 AND 103, OR 108, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

01818	LECT-DISC	G	3	M	W	F	126	COM	W

ECON 326 THEORIES AND POLICIES OF INTERNATIONAL COMMERCE.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01819 LECT-DISC C 10 M W F 140 COM W

ECON 328 LATIN-AMERICAN ECONOMIC PROBLEMS.
PREREQUISITE--ECON. 102 AND 103, OR 108, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
01820 LECT-DISC A 8 M W F 140 COM W

ECON 336 AMERICAN ECONOMIC HISTORY.
3 HOURS, OR 1/2 OR 1 UNIT
01821 LECT-DISC B 9 M W F 130 COM W

ECON 342 ECONOMICS OF SOCIAL SECURITY.
SAME AS L.I.R. 342.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01822 LECT-DISC F 2 M W F 130 COM W

ECON 372 OPERATIONS RESEARCH.
PREREQUISITE--ECON. 170 AND MGMT. 101, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
01823 LECT-DISC G 3 M W F 36 COM W

ECON 374 NATIONAL INCOME AND BUSINESS FORECASTING.
PREREQUISITE--ECON. 102 AND 103, OR 108, 170 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT
01824 LECT-DISC A 8 M W F 126 COM W

ECON 384 ECONOMICS OF TRANSPORTATION.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01825 LECT-DISC F 2 M W F 126 COM W

ECON 385 ECONOMIC PROBLEMS OF COMMERCIAL AIR TRANSPORT.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01826 LECT-DISC G 3 M W F 94 COM W

ECON 389 INDUSTRIAL COMPETITION AND MONOPOLY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01827 LECT-DISC B 9 M W F 140 COM W

COURSES FOR GRADUATES

ECON 400 GENERAL ECONOMIC THEORY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
1 UNIT
01828 LECT-DISC 1 2-4 W 166 COM W
01829 LECT-DISC 2 10-12 TH 245 COM W

ECON 401 GENERAL ECONOMIC THEORY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
1 UNIT
01830 LECT-DISC 10-12 TH 166 COM W

ECON 402 ECONOMIC THEORY.
PREREQUISITE--ECON. 300-301 OR EQUIVALENT--FOR THE MATHEMATICS SECTION, A KNOWLEDGE OF ALGEBRA AND CALCULUS.
1 UNIT
*SECTION 1 IS THE NONMATHEMATICAL SECTION AND SECTION 2 IS THE MATHEMATICAL SECTION.
01831 LECT-DISC *1 2-4 M W 40 COM W
01832 LECT-DISC *2 4-6 M W 40 COM W

ECON 404 THEORY OF AGGREGATE INCOME.
1 UNIT
01833 LECT-DISC 8-10 W 11 COM W

ECON 406 A HISTORY OF ECONOMIC THOUGHT, I.
1 UNIT
01834 LECT-DISC 2-4 TU 94 COM W

ECON 409 THEORY OF ECONOMIC GROWTH
PREREQUISITE--ECON. 300 AND 301.
1 UNIT
01835 LECT-DISC 2-4 F 40 COM W

ECON 410 COMPARATIVE ECONOMIC SYSTEMS.
1 UNIT
01836 LECT-DISC 4-6 TU 126 COM W

ECON 414 PUBLIC FINANCE.
PREREQUISITE--SIX HOURS OF ECONOMICS.
1 UNIT
01837 LECT-DISC 4-6 F 126 COM W

ECON 420 MONETARY THEORY AND HISTORY.
PREREQUISITE--A COURSE IN INCOME OR EMPLOYMENT THEORY, OR CONSENT OF INSTRUCTOR.
1 UNIT
01838 LECT-DISC 10-12 F 11 COM W

ECON 428 INTERNATIONAL ECONOMICS AND FINANCE, I.
1 UNIT
01839 LECT-DISC 8-10 F 11 COM W

ECON 440 LABOR ECONOMICS.
SAME AS L.I.R. 440.
PREREQUISITE--A MINIMUM OF SIX HOURS IN ECONOMICS.
1 UNIT
01840 LECT-DISC 2-4 TH 94 COM W

ECON 442 COLLECTIVE BARGAINING.
SAME AS L.I.R. 442.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
01841 LECT-DISC 10-12 F 43 ILIR

ECON 444 ECONOMICS OF MANPOWER RESOURCES.
SAME AS L.I.R. 444.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
01842 LECT-DISC 4-6 M 94 COM W

ECON 470 ECONOMIC STATISTICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
01843 LECT-DISC 1 10-12 TU TH 36 COM W
01844 LECT-DISC 2 10-12 TU 36 COM W
2 4-6 W 36 COM W

ECON 472 ECONOMETRICS.
SAME AS MATH. 472.
PREREQUISITE--MATH. 363 AND CONSENT OF INSTRUCTOR.
1 UNIT
01845 LECT-DISC 830-10 TU TH 11 COM W

ECON 477 CYCLES AND GROWTH.
PREREQUISITE--ECON. 403.
01846 LECT-DISC 10-12 TH 11 COM W

ECON 480 SEMINAR IN RELATIONS OF GOVERNMENT AND BUSINESS, I.
1 UNIT
01847 LECT-DISC 4-6 W. 94 COM W

ECON 484 ECONOMICS OF TRANSPORTATION, I.
1 UNIT
01848 LECT-DISC 10-12 W 11 COM W

ECON 490 INDIVIDUAL STUDY AND RESEARCH.
1/2 TO 1 UNIT
01849 CONF ARR

ECON 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION 1 IS EXCLUSIVELY FOR MASTERS CANDIDATES AND SECTION 2 IS EXCLUSIVELY FOR PH. D. CANDIDATES.

01850	LECT-DISC *1	10-12	M		166	COM W
01851	LECT-DISC *2	4-6		TH	240	COM W

EDUCATION ADMINISTRATION

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR GRADUATES

ED AD 438 INSTRUCTIONAL SUPERVISION.
PREREQUISITE--EL. ED. 439, AND ED. AD. 430 OR 440.
1 UNIT

01852	LECT-DISC	7-9PM		TH	16	EDUC	BARNES

ED AD 440 ADMINISTRATION AND SUPERVISION OF JUNIOR AND SENIOR HIGH SCHOOLS.
PREREQUISITE--ED. AD. 460 OR CONSENT OF INSTRUCTOR.
1 UNIT

01853	LECT-DISC	7-9PM	M		33	EDUC	MCCLEARY

ED AD 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
*1/2 OR 1 UNIT

01854	CONF	ARR					GRADUATE STAFF

ED AD 460 PUBLIC CONTROL AND ADMINISTRATION OF EDUCATION.
NOT OPEN TO EXPERIENCED ADMINISTRATORS OR TO ANY STUDENTS WHO HAVE TAKEN ANY OF THE FOLLOWING COURSES--OR EQUIVALENT--ED. AD. 430, 440, 461, 462, 464, 465, 466.
1 UNIT

01855	LECT-DISC	7-9PM	TU		385	EDUC	MILLER

ED AD 461 ADMINISTRATION OF EDUCATIONAL PROGRAMS AND PERSONNEL.
PREREQUISITE--ED. AD. 460, ED. AD. 430 OR 440.
1 UNIT

01856	LECT-DISC	9-1230		S	33	EDUC	MILLER, HENCLEY

ED AD 468 SCHOOL-COMMUNITY RELATIONS.
1 UNIT

01857	LECT-DISC	9-11		S	385	EDUC	

ED AD 469 LEGAL BASIS OF SCHOOL ADMINISTRATION.
1 UNIT

01858	LECT-DISC	7-9PM	W		385	EDUC	SUMPTION

ED AD 470 PRINCIPLES AND RESOURCES FOR SCHOOL PLANT PLANNING.
PREREQUISITE--ED. AD. 460.
1 UNIT

01859	LECT-DISC	9-11		S	1	EDUC	

ED AD 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

01860	CONF	ARR					GRADUATE STAFF

ED AD 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

01861	CONF *	ARR					GRADUATE STAFF

EDUCATIONAL PRACTICE

DEPARTMENT OFFICE EDUCATION BUILDING

APPLICATION FOR ADMISSION TO EDUCATIONAL PRACTICE--ADMISSION TO STUDENT TEACHING IS LIMITED TO THOSE STUDENTS WHO HAVE BEEN ADMITTED TO ADVANCED STANDING IN A TEACHER EDUCATION CURRICULUM. STUDENTS MUST FILE APPLICATION FOR ADMISSION TO EDUCATIONAL PRACTICE DURING THE MONTH OF FEBRUARY PRIOR TO THE SCHOOL YEAR IN WHICH THEY PLAN TO ENROLL FOR THE COURSE. APPLICATIONS ARE ACCEPTED ONLY DURING THE FIRST THREE WEEKS OF THE SECOND SEMESTER. APPLICATION FORMS MAY BE OBTAINED FROM DIRECTOR OF STUDENT TEACHING. STUDENTS WHOSE APPLICATIONS FOR ADMISSION TO EDUCATIONAL PRACTICE ARE APPROVED ARE ELIGIBLE TO ENROLL IN THE COURSE THE FOLLOWING SCHOOL YEAR. CANDIDATES FOR UNIVERSITY OF ILLINOIS TEACHER-EDUCATION DEGREES MUST COMPLETE EDUCATIONAL PRACTICE--STUDENT TEACHING--AT THE UNIVERSITY OF ILLINOIS. EDUCATIONAL PRACTICE--STUDENT TEACHING--IS A COURSE THAT IS PART OF THE PROFESSIONAL SEMESTER THAT CONSTITUTES EITHER THE FALL OR SPRING SEMESTER OF THE DEGREE CANDIDATES SENIOR YEAR.

THE REQUIRED IN-RESIDENCE EDUCATIONAL PRACTICE COURSES--SECONDARY EDUCATION DEGREE CANDIDATES ENROLL IN THE APPROPRIATE SECTION OF ED. PR. 242. PHYS. ED. WOMEN ADDITIONALLY ENROLL IN ED. PR. 232, SECTION D. MUSIC STUDENTS ADDITIONALLY ENROLL IN ED. PR. 232, SECTION C. ELEMENTARY EDUCATION DEGREE CANDIDATES ENROLL IN ED. PR. 232, SECTION A. EDUCATION OF EXCEPTIONAL CHILDREN DEGREE CANDIDATES--EDUCABLE MENTALLY HANDICAPPED STUDENTS ENROLL IN ED. PR. 220, SECTION C AND IN ED. PR. 232, SECTION B. DEAF AND HARD OF HEARING STUDENTS ENROLL IN ED. PR. 220, SECTION D AND IN ED. PR. 232, SECTION B. AGRICULTURAL EDUCATION DEGREE CANDIATES ENROLL IN VO. TEC. 276. HOME ECONOMICS TEACHER EDUCATION DEGREE CANDIDATES ENROLL IN ED. PR. 242, SECTION R. SPEECH CORRECTION CANDIDATES ENROLL IN ED. PR. 220, SECTION B.

COURSES FOR ADVANCED UNDERGRADUATES

ED PR 220 EDUCATIONAL PRACTICE IN THE EDUCATION OF EXCEPTIONAL CHILDREN.
PREREQUISITE--SENIOR STANDING, CONSENT OF DEPARTMENT.
2 TO 5 HOURS
*SECTION A--MENTALLY RETARDED, REQUIRES REGISTRATION IN SP. ED. 323.
3 HOURS
*SECTION B--SPEECH CORRECTION. STUDENTS WHO HAVE NOT COMPLETED SP ED 324 MUST ENROLL IN IT DURING THIS STUDENT-TEACHING SEMESTER. 5 HOURS
*SECTION C--MENTALLY RETARDED. 5 HOURS
*SECTION D--DEAF AND HARD OF HEARING, REQUIRES REGISTRATION IN SP. ED. 320. 3 TO 5 HOURS

01862	PRACT	*A	ARR
01863	PRACT	*B	ARR
01864	PRACT	*C	ARR
01865	PRACT	*D	ARR

ED PR 232 EDUCATIONAL PRACTICE IN ELEMENTARY EDUCATION.
PREREQUISITE--EL. ED. 230 AND SENIOR STANDING.
2 TO 5 HOURS
*SECTION A IS FOR STUDENTS IN GENERAL ELEMENTARY CURRICULUM.
5 HOURS
*SECTION B IS FOR STUDENTS IN EXCEPTIONAL CHILDREN CURRICULA.
2 TO 5 HOURS
*SECTION C IS FOR EDUCATIONAL PRACTICE IN MUSIC. 2 HOURS
*SECTION D IS FOR EDUCATIONAL PRACTICE IN PHYSICAL EDUCATION FOR WOMEN. 3 HOURS
*SECTION E IS FOR EDUCATIONAL PRACTICE IN FOREIGN LANGUAGE.
3 HOURS.

01866	PRACT	*A	ARR
01867	PRACT	*B	ARR
01868	PRACT	*C	ARR
01869	PRACT	*D	ARR
01870	PRACT	*E	ARR

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ED PR 242      EDUCATIONAL PRACTICE IN SECONDARY EDUCATION.
        PREREQUISITE--SE. ED. 240, OR VOTEC 240, SENIOR STANDING.
        2 TO 5 HOURS
        5 HOURS          A  P.E. FOR MEN, REQUIRES REGISTRATION IN
                            SE. ED. 241, SECTION B2.
        3 OR 5 HOURS     D  P.E. FOR WOMEN, REQUIRES REGISTRATION IN
                            SE. ED. 241, SECTION F2.
        3 OR 5 HOURS     F  BIOLOGY, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION B4.
        3 OR 5 HOURS     G  CHEMISTRY, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION B4.
        3 OR 5 HOURS     H  GENERAL SCIENCE, REQUIRES REGISTRATION IN
                            SE. ED. 241, SECTION B4.
        3 OR 5 HOURS     I  PHYSICS, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION B4.
        3 OR 5 HOURS     J  SOCIAL STUDIES, REQUIRES REGISTRATION IN
                            SE. ED. 241, SECTION E.
        3 OR 5 HOURS     K  ART, REQUIRES REGISTRATION IN SE. ED. 241.
                            SECTION B5.
        3 OR 5 HOURS     L  ENGLISH, REQUIRES REGISTRATION IN SE. ED. 241,
                       SECTION C1, C2 OR F1.
        3 OR 5 HOURS     M  SPEECH, REQUIRES REGISTRATION IN SE. ED. 247.
        3 OR 5 HOURS     N  FRENCH, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION A1 OR A2.
        3 OR 5 HOURS     O  LATIN, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION A1 OR A2.
        3 OR 5 HOURS     P  SPANISH, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION A1 OR A2.
        3 OR 5 HOURS     Q  GERMAN, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION A1 OR A2.
        5 HOURS          R  HOME ECONOMICS, REQUIRES REGISTRATION IN
                            SE. ED. 241, SECTION A3.
        3 OR 5 HOURS     S  INDUSTRIAL EDUCATION, REQUIRES REGISTRATION
                            IN SE. ED. 241, SECTION E2.
        3 OR 5 HOURS     T  MATH, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION B3.
        3 HOURS          V  MUSIC, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION B1.
        3 OR 5 HOURS     W  BUSINESS EDUCATION, REQUIRES REGISTRATION
                            IN SE. ED. 241, SECTION F3.
        3 OR 5 HOURS     X  RUSSIAN, REQUIRES REGISTRATION IN SE. ED. 241,
                            SECTION A1 OR A2.
        3 OR 5 HOURS     Y  LIBRARY SCIENCE, REQUIRES REGISTRATION
                       IN SE. ED. 241, SECTION I.
    01871    PRACT      A    ARR
    01872    PRACT      D    ARR
    01873    PRACT      F    ARR
    01874    PRACT      G    ARR
    01875    PRACT      H    ARR
    01876    PRACT      I    ARR
    01877    PRACT      J    ARR
    01878    PRACT      K    ARR
    01879    PRACT      L    ARR
    01880    PRACT      M    ARR
    01881    PRACT      N    ARR
    01882    PRACT      O    ARR
    01883    PRACT      P    ARR
    01884    PRACT      Q    ARR
    01885    PRACT      R    ARR
    01886    PRACT      S    ARR
    01887    PRACT      T    ARR
    01888    PRACT      V    ARR
    01889    PRACT      W    ARR
    01890    PRACT      X    ARR
    01891    PRACT      Y    ARR
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ED PR 250 SCHOOL AND COMMUNITY EXPERIENCES.
2 HOURS

SECT A--P E MEN	SECT K--ART	SECT S--IND ED
B--SPCH CORR	L--ENGLISH	T--MATH
D--P E WOMEN	M--SPEECH	V--MUSIC
F--BIOLOGY	N--FRENCH	W--BUS ED
G--CHEMISTRY	O--LATIN	X--RUSS
H--GEN SCI	P--SPANISH	Y--LIB SCI
I--PHYSICS	Q--GERMAN	Z--ELEM ED
J--SOC STUD	R--HOME ECON	

01892	PRACT	A	ARR
01893	PRACT	B	ARR
01894	PRACT	D	ARR
01895	PRACT	F	ARR
01896	PRACT	G	ARR
01897	PRACT	H	ARR
01898	PRACT	I	ARR
01899	PRACT	J	ARR
01900	PRACT	K	ARR
01901	PRACT	L	ARR
01902	PRACT	M	ARR
01903	PRACT	N	ARR
01904	PRACT	O	ARR
01905	PRACT	P	ARR
01906	PRACT	Q	ARR
01907	PRACT	R	ARR
01908	PRACT	S	ARR
01909	PRACT	T	ARR
01910	PRACT	V	ARR
01911	PRACT	W	ARR
01912	PRACT	X	ARR
01913	PRACT	Y	ARR
01914	PRACT	Z	ARR

EDUCATIONAL PSYCHOLOGY

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR ADVANCED UNDERGRADUATES

EDPSY 211 EDUCATIONAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 100.
3 HOURS
*OPEN ONLY TO STUDENTS REGISTERED FOR STUDENT TEACHING. SECTIONS WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
*SECTION A2 IS FOR SCIENCE EDUC ONLY TO BE TAKEN CONCURRENTLY WITH SE. ED. 241 B4.

01915	LECT-DISC	A1	8	M W F	162	EDUC	GARVERICK
01919	LECT-DISC	*A2	8	MTUWTHF	4G	EDUC	
01920	LECT-DISC	*B	9	MTUWTHF	166	EDUC	SUMMERS
01916	LECT-DISC	C	10	M W F	162	EDUC	
01921	LECT-DISC	*D	11	MTUWTHF	166	EDUC	SUMMERS
01917	LECT-DISC	X	12	M W F	162	EDUC	
01922	LECT-DISC	*E	1	MTUWTHF	192	EDUC	
01918	LECT-DISC	F	2	M W F	1	EDUC	DAMRIN
01923	LECT-DISC	*G	3	MTUWTHF	162	EDUC	

EDPSY 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

01924	CONF	&A	ARR					STAFF

EDPSY 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

01925	CONF	&A	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

EDPSY 311 PSYCHOLOGY OF LEARNING FOR TEACHERS.
PREREQUISITE--ED. PSY. 211, PRACTICE TEACHING OR TEACHING EXPERIENCE.
2 HOURS, OR 1/2 UNIT
*SPECIAL SECTION FOR MAJORS IN COUNSELING AND GUIDANCE-NOT INSTITUTE

01926	LECT-DISC	A	1-3	M		2	EDUC	R SIMPSON
01927	LECT-DISC	B	4-6	TU		2	EDUC	R SIMPSON
01928	LECT-DISC	C	7-9PM	W		166	EDUC	BLAIR
01930	LECT-DISC	*D	4-6	TH		2	EDUC	J PHILLIPS
01929	LECT-DISC	S	9-11		S	2	EDUC	JONES

EDPSY 312 MENTAL HYGIENE AND THE SCHOOL.
PREREQUISITE--ED.PSY. 211, PRACTICE TEACHING OR TEACHING EXPERIENCE.
2 HOURS, OR 1/2 UNIT
*SPECIAL SECTION FOR MAJORS IN COUNSELING AND GUIDANCE-NOT INSTITUTE

01935	LECT-DISC	*A	4-6	M		166	EDUC	
01931	LECT-DISC	B	1-3	TU		242	BEV HALL	HORGER
01932	LECT-DISC	C	4-6	W		162	EDUC	
01933	LECT-DISC	D	7-9PM	TH		162	EDUC	TOTH
01934	LECT-DISC	S	11-1		S	162	EDUC	HORGER

EDPSY 325 INTRODUCTION TO GUIDANCE AND COUNSELING.
PREREQUISITE--EIGHT SEMESTER HOURS IN EDUCATION AND PSYCHOLOGY.
*CREDIT IS NOT GIVEN IN BOTH ED. PSY. 325 AND 425.
*2 HOURS, OR 1/2 UNIT
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

01936	LECT-DISC	*1-3	TU TH	1	EDUC		KACZKOWSKI

EDPSY 326 INTRODUCTION TO VOCATIONAL REHABILITATION COUNSELING.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01937	LECT-DISC	ARR					TOTH

EDPSY 343 INDIVIDUAL INTELLIGENCE TESTING.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY AND EITHER SP. ED. 324, OR ED. PSY. 392, OR PSYCH. 290, OR EQUIVALENT.
3 HOURS, OR 1 UNIT

01938	LECT	8-10	TU TH	188S	EDUC		NEWLAND
01938	LAB	ARR					

EDPSY 390 ELEMENTS OF EDUCATIONAL STATISTICS.
3 HOURS, OR 1 UNIT

01939	LECT-DISC	4-6	M W	2	EDUC		STAKE

EDPSY 391 CONSTRUCTION AND USE OF TESTS IN TEACHING.
PREREQUISITE--ED. PSY. 211.
2 HOURS, OR 1/2 OR 1 UNIT

01940	LECT-DISC	4-6	TH	176	EDUC		GRONLUND

EDPSY 392 INTRODUCTION TO THE PRINCIPLES OF MEASUREMENT.
PREREQUISITE--ED. PSY. 211.
2 HOURS, OR 1/2 OR 1 UNIT

01942	LECT-DISC	A	7-9PM	W		242	EDUC	VANHORN
01941	LECT-DISC	B	1-3	TH		242	EDUC	GRONLUND

EDPSY 411 PSYCHOLOGY OF ADOLESCENCE FOR TEACHERS.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT

01943	LECT-DISC		4-6	TU	192	EDUC	BLAIR

EDPSY 412 ADVANCED CHILD DEVELOPMENT FOR STUDENTS OF EDUCATION.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT

01944	LECT-DISC		7-9PM	TU	192	EDUC	GARVERICK

EDPSY 413 SOCIAL PSYCHOLOGY AND THE PROBLEMS OF EDUCATION.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT

01945	LECT-DISC		1-3	W	2	EDUC	R SIMPSON

EDPSY 414 THE PSYCHOLOGY OF COLLEGE TEACHING.
PREREQUISITE--A COURSE IN PSYCHOLOGY, CONSENT OF INSTRUCTOR.
1 UNIT

01946	LECT-DISC		4-6	M	33	EDUC	SAGEN

EDPSY 415 PSYCHOLOGICAL THEORIES APPLIED TO EDUCATION.
PREREQUISITE--ED. PSY. 311 AND 312, ED. PSY. 411 OR 412, CANDIDACY FOR ED. D. OR PH. D. IN EDUCATION.
1 UNIT

01947	LECT-DISC		1-3	TH	33	EDUC	BLAIR

EDPSY 422 BASIC PRINCIPLES OF COUNSELING.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT
*FOR GUIDANCE INSTITUTE STUDENTS ONLY.

01948	LECT-DISC	A	4-6	TU	188S	EDUC	KACZKOWSKI
01950	LECT-DISC	*B	ARR				STAFF
01949	LECT-DISC	S	9-11	S	188S	EDUC	

EDPSY 423 THE USE OF TESTS IN GUIDANCE.
PREREQUISITE--ED. PSY. 392.
1 UNIT
*SECTION B FOR GUIDANCE INSTITUTE STUDENTS ONLY. ADDITIONAL LAB HOURS TO BE ARRANGED.

01951	LECT-DISC	A	7-9PM	M	162	EDUC	BROPHY
01952	LECT-DISC	*B	ARR				STAFF

EDPSY 424 SUPERVISED PRACTICE IN COUNSELING.
PREREQUISITE--MASTERS DEGREE IN GUIDANCE AND CONSENT OF FACULTY COMMITTEE.
2 UNITS

01953	CONF		ARR				PATTERSON, T

EDPSY 425 PRINCIPLES OF GUIDANCE.
*CREDIT IS NOT GIVEN IN BOTH ED. PSY. 325 AND 425.
*1 UNIT

01954	LECT-DISC	A	4-6	W	385	EDUC	KACZKOWSKI
01955	LECT-DISC	S	9-11	S	162	EDUC	J PHILLIPS

EDPSY 426 DIAGNOSTIC AND REMEDIAL PROGRAMS OF THE SCHOOL.
PREREQUISITE--A BASIC COURSE IN THE TEACHING OF READING AND CONSENT OF INSTRUCTOR.
1 UNIT

01956	LECT-DISC	A	4-6	M	17	EDUC	
01957	LECT-DISC	B	4-6	W	17	EDUC	CULLITON

EDPSY 427 PRINCIPLES AND TECHNIQUES OF GROUP GUIDANCE.
PREREQUISITE--ED. PSY. 311, 312, 422, 423, AND EITHER 325 OR 425, OR CONSENT OF INSTRUCTOR.
1 UNIT
*FOR GUIDANCE INSTITUTE STUDENTS ONLY.

01958	LECT-DISC	A	4-6	TH	1	EDUC	BONNEY
		A	7-9PM	TH	1	EDUC	BONNEY
01959	LECT-DISC	*B	ARR				STAFF
01960	LECT-DISC	*C	ARR				STAFF

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DPSY 428     THE ANALYSIS AND USE OF OCCUPATIONAL INFORMATION IN GUIDANCE
             PROGRAMS.
        PREREQUISITE--ED. PSY. 325 OR 425, OR CONSENT OF INSTRUCTOR.
        1 UNIT
        *FOR GUIDANCE INSTITUTE STUDENTS ONLY.
                                                                          STAFF
      01962    LECT-DISC *A    ARR
      01961    LECT-DISC  S        9-11              S  192  EDUC        BROPHY

EDPSY 429     FIELD INSTRUCTION IN COUNSELING.
        PREREQUISITE--ED. PSY. 422 AND 424--WITH CONSENT OF INSTRUCTOR
        ED. PSY. 424 MAY BE TAKEN CONCURRENTLY.
        1 OR 2 UNITS
      01963    PRACT           ARR                                        PATTERSON

EDPSY 447     SEMINAR IN REHABILITATION COUNSELING.
        PREREQUISITE--ED. PSY. 326 AND 422.
        *MAY BE REPEATED FOR A MAXIMUM OF ONE UNIT.
        *1/2 UNIT
      01964    LECT-DISC       ARR                                        PATTERSON

EDPSY 449     INDEPENDENT STUDY.
        *MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
        *1/2 OR 1 UNIT
      01965    CONF            ARR                                        GRADUATE STAFF

EDPSY 491     FIELD STUDY AND THESIS SEMINAR.
        LIMITED TO ED.D. CANDIDATES.
        1 TO 2 UNITS
      01966    CONF            ARR                                        GRADUATE STAFF

EDPSY 494     MULTIVARIATE ANALYSIS IN PSYCHOLOGY AND EDUCATION.
             SAME AS PSYCH. AND SOC. 494.
        PREREQUISITE--ED. PSY. 496 OR PSYCH. 307, CONSENT OF INSTRUCTOR.
        1 UNIT
      01967    LECT-DISC           3-5          W      307  G H          TUCKER

EDPSY 496     STATISTICAL METHODS IN EDUCATION.
        PREREQUISITE--ED. PSY. 390.
        1 UNIT
        *LABORATORY HOURS TO BE ARRANGED.
      01968    LECT-DISC  A        *4-6       M  W     192  EDUC         TATSUOKA
      01969    LECT-DISC  B        *4-6        TU TH   385  EDUC         PINGRY

EDPSY 498     THEORY OF EDUCATIONAL EVALUATION.
        PREREQUISITE--ED. PSY. 496.
        1 UNIT
      01970    LECT-DISC           1-3         TU      242  EDUC         HASTINGS

EDPSY 499     THESIS RESEARCH.
        0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS
      01971    CONF            ARR                                        GRADUATE STAFF
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ELECTRICAL ENGINEERING

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        DEPARTMENT OFFICE                    158  E E B
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COURSES FOR UNDERGRADUATES

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E E   114     WIRING AND ILLUMINATION.
        PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
        *ENGINEERING STUDENTS RECEIVE NO CREDIT.
        *3 HOURS
      01972    DISC        A       11          M  W  F   151  E E B
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E E 220 BASIC ELECTRICAL ENGINEERING.
PREREQUISITE--PHYSICS 106 AND 107, AND MATH 143.
3 HOURS

01973	DISC	A	8	M W F	162	E E B
01974	DISC	B	8	M W F	260	E E B
01975	DISC	C	8	TU TH S	162	E E B
01976	DISC	D	9	M W F	161	E E B
01977	DISC	E	9	M W F	250	E E B
01978	DISC	F	10	M W F	162	E E B
01979	DISC	G	10	M W F	260	E E B
01980	DISC	H	11	M W F	162	E E B
01981	DISC	I	1	M W F	162	E E B
01982	DISC	J	2	M W F	162	E E B
01983	DISC	K	3	M W F	162	E E B
01984	DISC	L	4	M W F	162	E E B

E E 229 INTRODUCTION TO ELECTROMAGNETIC FIELDS.
PREREQUISITE--PHYCS. 107, T.A.M. 154, MATH. 345, CREDIT OR REGISTRATION IN E.E. 250.
3 HOURS
•SECTION &XH IS AN HONORS SECTION.

01985	DISC	A	8	M W F	254	E E B
01986	DISC	B	8	TU TH S	254	E E B
01987	DISC	C	9	TU TH S	254	E E B
01988	DISC	D	10	M W F	254	E E B
01989	DISC	E	11	M W F	254	E E B
01990	DISC	F	11	M W F	257	E E B
01991	DISC	G	1	M W F	254	E E B
01994	DISC	•&XH	8	M W F	252	E E B
01992	DISC	I	2	M W F	254	E E B
01993	DISC	J	3	M W F	254	E E B

E E 230 APPLICATION AND CONTROL OF MOTORS AND EQUIPMENT.
PREREQUISITE--E E 220.
2 HOURS

01995	DISC	A	8	M W	133	E E B
01996	DISC	B	8	TU TH	163	E E B
01997	DISC	C	10	M W	250	E E B
01998	DISC	D	11	M W	161	E E B
01999	DISC	E	1	M W	250	E E B
02000	DISC	F	2	M W	133	E E B

E E 231 POWER EQUIPMENT LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E E 230.
1 HOUR

02001	LAB	A	3-6	M	50E	E E B
02002	LAB	B	9-12	TU	50E	E E B
02003	LAB	C	2-5	TU	50E	E E B
02004	LAB	D	2-5	TH	50E	E E B
02005	LAB	E	2-5	F	50E	E E B
02006	LAB	F	9-12	S	50E	E E B

E E 232 ELECTRONICS AND ELECTRONICS APPLICATIONS.
PREREQUISITE--E E 220.
2 HOURS

02007	DISC	A	8	M W	161	E E B
02008	DISC	B	8	TU TH	161	E E B
02009	DISC	C	10	M W	161	E E B
02010	DISC	D	11	TU TH	161	E E B
02011	DISC	E	1	M W	161	E E B

E E 233 ELECTRONICS LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E.E. 232.
1 HOUR

02012	LAB	A	9-12	TU	135	E E B
02013	LAB	B	2-5	TU	135	E E B
02014	LAB	C	2-5	TH	135	E E B
02015	LAB	D	9-12	S	135	E E B

E E 234 ELECTRICAL INSTRUMENTS AND MEASUREMENTS.
PREREQUISITE--E E 220.
2 HOURS

02016	DISC	A	8	TU TH	169	E E B
02017	DISC	B	9	TU TH	169	E E B
02018	DISC	C	10	M W	168	E E B
02019	DISC	D	2	M W	169	E E B
02020	DISC	E	2	TU TH	169	E E B

E E 235 ELECTRICAL MEASUREMENT LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 234.
1 HOUR

02021	LAB	A	3-6	M	137	E E B
02022	LAB	B	9-12	TU	137	E E B
02023	LAB	C	2-5	TU	137	E E B
02024	LAB	D	3-6	W	137	E E B
02025	LAB	E	2-5	TH	137	E E B
02026	LAB	F	2-5	F	137	E E B
02027	LAB	G	9-12	S	137	E E B

E E 250 LINEAR NETWORK THEORY I.
PREREQUISITE--PHYCS. 107, CREDIT OR REGISTRATION IN E. E. 251, MATH. 195 AND 345.
5 HOURS
*SECTION M IS RESTRICTED TO STUDENTS ENROLLED IN U OF I NSF PROGRAM IN ELECTRONICS.

02028	DISC	A	8	MTUWTHF	59	E E B
02029	DISC	B	9	MTUWTHF	59	E E B
02030	DISC	C	10	MTUWTHF	59	E E B
02031	DISC	D	11	MTUWTHF	59	E E B
02032	DISC	E	1	MTUWTHF	59	E E B
02033	DISC	F	2	MTUWTHF	59	E E B
02034	DISC	G	3	MTUWTHF	59	E E B
02036	DISC	*&XH	11	MTUWTHF	252	E E B
02035	DISC	M	2	MTUWTHF	161	E E B

E E 251 CIRCUIT LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 250.
1 HOUR
*&XH IS HONORS SECTION
*LECT K AND LAB K ARE RESTRICTED TO STUDENTS ENROLLED IN U OF I NSF PROGRAM IN ELECTRONICS.

02049	LECT	*K	1	TU	169	E E B
02037	LECT	M	8	TH	151	E E B
02038	LECT	N	1	TH	151	E E B
02039	LAB	A	10-12	M	50H	E E B
02040	LAB	B	3-5	M	50H	E E B
02041	LAB	C	8-10	TU	50H	E E B
02042	LAB	D	1-3	TU	50H	E E B
02043	LAB	E	8-10	W	50H	E E B
02044	LAB	F	9-11	TH	50H	E E B
02045	LAB	G	2-4	TH	50H	E E B
02048	LAB	*&XH	9-11	F	50H	E E B
02046	LAB	I	2-4	F	50H	E E B
02047	LAB	J	8-10	S	50H	E E B
02049	LAB	*K	3-5	TU	50H	E E B
02050	DISC	M	2PM	MTUWTHF	161	E E B

E E 271 ELECTRICAL ENGINEERING PROBLEMS.
PREREQUISITE--APPROVED WRITTEN APPLICATION TO DEPARTMENT.
1 TO 4 HOURS
*SECTION M IS RESTRICTED TO STUDENTS ENROLLED IN U OF I NSF PROGRAM IN ELECTRONICS.

02051	DISC	A	1	TU TH	133	E E B
02052	DISC	B	3	M W F	161	E E B
02053	DISC	C	7PM	TU TH	257	E E B
02054	DISC	I	ARR			
02055	DISC	M	1	M W F	335	E E B

E E 272 ELECTRICAL ENGINEERING PROBLEMS.
PREREQUISITE--APPROVED WRITTEN APPLICATION TO DEPARTMENT.
1 TO 4 HOURS

02056	DISC	A	1	M W F	132	E E B
02057	DISC	B	2	MTUWTHF	269	E E B
02058	DISC	I	ARR			

E E 288 ECONOMIC ASPECTS OF ENGINEERING.
SAME AS G. E. 288.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING, ECON. 108 OR CONSENT OF INSTRUCTOR.
3 HOURS

02059	DISC	A	8	TU TH S	260	E E B
02060	DISC	B	9	M W F	260	E E B
02061	DISC	C	10	TU TH S	260	E E B
02062	DISC	D	11	M W F	260	E E B
02063	DISC	E	3	M W F	260	E E B
02064	DISC	F	4	M W F	260	E E B

E E 292 SEMINAR.
PREREQUISITE--SENIOR STANDING IN ELECTRICAL ENGINEERING.
1 HOUR

02065	DISC	A	1	TU	260	E E B

E E 294 INTRODUCTION TO THE THEORY OF DIGITAL MACHINES.
SAME AS MATH. 294.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING OR MATHEMATICS.
3 HOURS

02066	LECT-DISC	A	10	M W F	151	E E B

E E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 GRADE POINT AVERAGE.
1 TO 4 HOURS

02067	CONF	&XH	2	TU	136	E E B

E E 297 HONORS SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 GRADE POINT AVERAGE.
1 TO 4 HOURS

02068	CONF	&XH	3-5	TU	133	E E B

E E 299 THESIS.
PREREQUISITE--PHYCS. 107, T.A.M. 154, MATH. 345, CREDIT OR REGISTRATION IN E.E. 250.
0 TO 3 HOURS

02069	CONF	&	ARR			

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

E E 322 LINEAR NETWORK THEORY, 11.
PREREQUISITE--E. E. 250, 251, MATH. 195,345.
4 HOURS, OR 0 TO 1 UNIT
*SECTION &XH IS AN HONORS SECTION.

02070	DISC	A	8	MTU THF	170	E E B
02071	DISC	B	9	MTU THF	170	E E B
02072	DISC	C	10	MTU THF	170	E E B
02073	DISC	D	11	MTU THF	170	E E B
02074	DISC	E	1	MTU THF	170	E E B
02075	DISC	F	2	MTU THF	170	E E B
02076	DISC	G	3	MTU THF	170	E E B
02081	DISC	*&XH	11	MTU THF	168	E E B
02077	DISC	I	4	MTU THF	170	E E B
02078	DISC	J	3	MTU THF	163	E E B
02079	DISC	K	11	MTU THF	57	E E B
02080	DISC	L	11	M W F	141	E E B
		L	1	TH	136	E E B

E E 323 CIRCUIT LABORATORY.
PREREQUISITE--E. E. 250 AND 251, CREDIT OR REGISTRATION IN E. E. 322 AND 350.
1 HOUR, OR 0 OR 1/4 UNIT
*SECTION &XH IS AN HONORS SECTION.

02082	LAB	A	8-11	M	132	E E B
02083	LAB	B	2-5	M	132	E E B
02084	LAB	C	9-12	TU	132	E E B
02085	LAB	D	2-5	TU	132	E E B
02086	LAB	E	2-5	W	132	E E B
02087	LAB	F	9-12	TH	132	E E B
02088	LAB	G	2-5	TH	132	E E B
02091	LAB	*&XH	8-11	F	132	E E B
02089	LAB	I	2-5	F	132	E E B
02090	LAB	J	9-12	S	132	E E B

E E 324 INTRODUCTION TO NETWORK SYNTHESIS.
PREREQUISITE--E. E. 322.
3 HOURS, OR 0 TO 1 UNIT

02092	DISC	A	8	M W F	163	E E B

E E 330 MAGNETIC CIRCUITS AND TRANSFORMERS.
PREREQUISITE--E.E. 229, 250, 251, CREDIT OR REGISTRATION IN E.E. 331
3 HOURS, OR 0 OR 3/4 UNIT
*SECT. &XH IS AN HONORS SECTION
*STUDENTS IN SECT. C MUST REGISTER FOR E.E. 331 SECTION C

02093	DISC	A	8	M W F	57	E E B
02094	DISC	B	8	TU TH S	57	E E B
02103	DISC	*C	9	M W F	57	E E B
02095	DISC	D	10	TU TH S	57	E E B
02096	DISC	E	1	M W F	57	E E B
02097	DISC	F	2	M W F	57	E E B
02102	DISC	*&XH	10	TU TH S	252	E E B
02098	DISC	I	3	M W F	141	E E B
02099	DISC	J	4	M W F	59	E E B
02100	DISC	K	9	TU TH S	57	E E B
02101	DISC	L	11	TU TH S	269	E E B

E E 331 MAGNETIC CIRCUITS AND TRANSFORMER LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 330.
1 HOUR, OR 0 OR 1/4 UNIT
*SECT. &XH IS AN HONORS SECTION.
*STUDENTS IN SECT.C MUST REGISTER IN E.E. 330 SECTION C

02104	LECT	M	8	TU	151	E E B
02105	LECT	N	1	TU	151	E E B
02106	LAB	A	8-11	M	50K	E E B
02107	LAB	B	2-5	M	50K	E E B
02120	LAB	*C	8-11	TU	50K	E E B
02108	LAB	D	2-5	TU	50K	E E B
02109	LAB	E	8-11	W	50K	E E B
02110	LAB	F	8-11	TH	50K	E E B
02111	LAB	G	2-5	TH	50K	E E B
02119	LAB	*&XH	2-5	W	50K	E E B
02112	LAB	I	9-12	S	50K	E E B
02113	LAB	J	2-5	M	50L	E E B
02114	LAB	K	2-5	TU	50L	E E B
02115	LAB	L	8-11	W	50L	E E B
02116	LAB	P	8-11	TH	50L	E E B
02117	LAB	R	2-5	TH	50L	E E B
02118	LAB	S	9-12	S	50L	E E B

E E 332 ELECTRICAL MACHINERY.
PREREQUISITE--E E 330 AND 331, CREDIT OR REGISTRATION IN E E 333.
3 HOURS, OR 0 OR 3/4 UNIT
*STUDENTS IN SECTION H MUST REGISTER IN EE. 333 SECTION H.

02121	DISC	A	8	M W F	169	E E B
02122	DISC	B	9	M W F	169	E E B
02123	DISC	C	10	M W F	169	E E B
02124	DISC	D	10	TU TH S	169	E E B
02125	DISC	E	11	TU TH S	169	E E B
02126	DISC	F	1	M W F	169	E E B
02127	DISC	*H	3	M W F	169	E E B

E E 333 ELECTRICAL MACHINERY LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 332.
1 HOUR, OR 0 OR 1/4 UNIT
*STUDENTS IN SECT. H MUST REGISTER IN E.E. 332 SECT. H.

02128	LAB	A	8-11	M	50F	E E B
02129	LAB	B	12-3	M	50F	E E B
02130	LAB	C	3-6	M	50F	E E B
02131	LAB	D	8-11	TU	50F	E E B
02132	LAB	E	12-3	TU	50F	E E B
02133	LAB	F	3-6	TU	50F	E E B
02134	LAB	G	7-10	TH	50F	E E B
02139	LAB	*H	2-5	TH	50F	E E B
02135	LAB	I	10-1	TH	50F	E E B
02136	LAB	J	9-12	W	50F	E E B
02137	LAB	K	2-5	W	50F	E E B
02138	LAB	L	8-11	S	50F	E E B

E E 336 ADVANCED ANALYSIS OF ELECTRIC POWER EQUIPMENT.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 332, 333.
4 HOURS, OR 0 OR 3/4 UNIT

02140	DISC	A	9	M W F	252	E E B

E E 340 ELECTRONICS.
PREREQUISITE--E. E. 250 AND 251.
3 HOURS, OR 0 OR 3/4 UNIT
•SECTION &XH IS AN HONORS SECTION.

02141	DISC	A	8	M	W	F	269	E E	B
02142	DISC	B	9	M	W	F	254	E E	B
02143	DISC	C	10	M	W	F	257	E E	B
02144	DISC	D	1	M	W	F	260	E E	B
02145	DISC	E	2	M	W	F	260	E E	B
02146	DISC	F	9		TU	TH S	260	E E	B
02147	DISC	G	11	M	W	F	250	E E	B
02152	DISC	•&XH	9	M	W	F	162	E E	B
02148	DISC	J	11		TU	TH S	260	E E	B
02149	DISC	K	3	M	W	F	168	E E	B
02150	DISC	L	8		TU	TH S	133	E E	B
02151	DISC	M	10		TU	TH S	133	E E	B

E E 341 ELECTRONICS LABORATORY
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 340.
1 HOURS, OR 0 OR 1/4 UNIT
•SECTION &XH IS AN HONORS SECTION.

02153	LAB	A	8-10	M			235	E E	B
02154	LAB	B	10-12	M			235	E E	B
02155	LAB	C	1-3	M			235	E E	B
02173	LAB	•&XH	3-5	M			235	E E	B
02156	LAB	E	8-10		TU		235	E E	B
02157	LAB	F	10-12		TU		235	E E	B
02158	LAB	G	1-3		TU		235	E E	B
02159	LAB	H	3-5		TU		235	E E	B
02160	LAB	I	8-10			W	235	E E	B
02161	LAB	J	10-12			W	235	E E	B
02162	LAB	K	1-3			W	235	E E	B
02163	LAB	L	3-5			W	235	E E	B
02164	LAB	M	8-10			TH	235	E E	B
02165	LAB	N	10-12			TH	235	E E	B
02166	LAB	O	1-3			TH	235	E E	B
02167	LAB	P	3-5			TH	235	E E	B
02168	LAB	Q	8-10			F	235	E E	B
02169	LAB	R	10-12			F	235	E E	B
02170	LAB	S	1-3			F	235	E E	B
02171	LAB	T	3-5			F	235	E E	B
02172	LAB	U	9-11			S	235	E E	B

E E 342 ADVANCED ELECTRONICS.
PREREQUISITE--E. E. 322, 340 AND 341.
3 HOURS, OR 0 OR 3/4 UNIT
•SECTION &XH IS HONORS SECTION.

02174	DISC	A	9	M	W	F	141	E E	B
02175	DISC	B	9		TU	TH S	163	E E	B
02176	DISC	C	10	M	W	F	163	E E	B
02177	DISC	D	11	M	W	F	163	E E	B
02178	DISC	E	1	M	W	F	163	E E	B
02179	DISC	F	2	M	W	F	163	E E	B
02182	DISC	•&XH	10		TU	TH S	163	E E	B
02180	DISC	G	11	M	W	F	269	E E	B
02181	DISC	H	3	M	W	F	257	E E	B

E E 343 ELECTRONICS LABORATORY
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 342.
1 HOUR, OR 0 OR 1/4 UNIT
•SECTION &XH IS HONORS SECTION.

02183	LAB	A	9-12	M			238	E E	B
02184	LAB	B	9-12		TU		238	E E	B
02185	LAB	C	1-4		TU		238	E E	B
02186	LAB	D	2-5			W	238	E E	B
02187	LAB	E	8-11			TH	238	E E	B
02188	LAB	F	2-5	M			238	E E	B
02189	LAB	G	7-10			F	238	E E	B
02192	LAB	•&XH	2-5			TH	238	E E	B
02190	LAB	I	10-1			F	238	E E	B
02191	LAB	J	8-11			S	238	E E	B

E E 347 INDUSTRIAL ELECTRONICS.
PREREQUISITE--E. E. 322, 332, 342.
•CREDIT IS NOT GIVEN FOR BOTH E. E. 347 AND E. E. 381.
•4 HOURS, OR 0 OR 1 UNIT

02193	DISC	A	3	M	W	F	57	E E	B
02194	LAB	P	8-11		TU		50N	E E	B
02195	LAB	Q	9-12			TH	50N	E E	B

E E 349 ELECTRON TUBE CIRCUITS.
PREREQUISITE--E.E. 342.
4 HOURS, OR 0 OR 1 UNIT

02196	DISC	A	1	MTU THF	269	E E B
02197	DISC	B	2	MTU THF	168	E E B

E E 350 LINES, FIELDS, AND WAVES.
PREREQUISITE--E. E. 299, MATH. 195, CREDIT OR REGISTRATION IN E. E. 323.
3 HOURS OR 3/4 UNIT
*SECTION EXH IS HONORS SECTION.

02198	DISC	A	8	M W F	136	E E B
02199	DISC	B	9	M W F	136	E E B
02200	DISC	C	10	M W F	136	E E B
02201	DISC	D	11	TU TH S	136	E E B
02202	DISC	E	1	M W F	136	E E B
02203	DISC	F	4	M W F	136	E E B
02204	DISC	*EXH	1	M W F	252	E E B

E E 352 ELECTROMAGNETIC FIELDS.
PREREQUISITE--E. E. 350, 323, CONCURRENT REGISTRATION IN E. E. 356 IS RECOMMENDED.
3 HOURS, OR 3/4 UNIT

02205	DISC	A	8	M W F	257	E E B
02206	DISC	B	8	TU TH S	269	E E B
02207	DISC	C	9	M W F	168	E E B
02208	DISC	D	10	TU TH S	269	E E B
02209	DISC	E	10	M W F	269	E E B
02210	DISC	F	3	M W F	269	E E B

E E 353 RADIO CIRCUITS.
PREREQUISITE--E E 322 AND 340.
4 HOURS, OR 0 OR 1 UNIT

02211	DISC	A	9	M W F	257	E E B
02212	LAB	P	9-12	TU	246	E E B
02213	LAB	R	2-5	TH	246	E E B

E E 355 FIELDS AND WAVES.
PREREQUISITE--E.E. 229 AND 350, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 0 OR 3/4 UNIT

02214	DISC	A	4	M W F	257	E E B

E E 356 MICRO WAVE TECHNIQUES.
PREREQUISITE--CREDIT OR REGISTRATION IN E.E. 352 OR 355.
1 HOUR, OR 0 OR 1/4 UNIT

02215	LAB	A	2-5	TU	251	E E B
02216	LAB	B	1-4	F	251	E E B
02217	LAB	C	9-12	M	251	E E B
02218	LAB	D	8-11	TU	251	E E B
02219	LAB	E	8-11	S	251	E E B

E E 357 RADIO ASTRONOMY.
SAME AS ASTR. 357.
PREREQUISITE--PHYCS. 108.
3 HOURS, OR 1 UNIT

02220	DISC	A	10	M W F	104	OBSERV

E E 359 INTRODUCTION TO NOISE AND INFORMATION TRANSMISSION.
PREREQUISITE--E E 322, CREDIT OR REGISTRATION IN E E 342.
3 HOURS, OR 3/4 OR 1 UNIT

02221	DISC	A	11	TU TH S	257	E E B

E E 376 SYMMETRICAL COMPONENT ANALYSIS OF POWER SYSTEMS.
PREREQUISITE--E E 350, CREDIT OR REGISTRATION IN E E 332.
3 HOURS, OR 0 OR 1 UNIT

02222	DISC	A	2	M W F	252	E E B

E E 381 PULSE TECHNIQUES.
PREREQUISITE--E. E. 322, 340, AND 341, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH E. E. 347 AND E. E. 381.
*4 HOURS, OR 0 OR 1 UNIT

02223	DISC	A	11	TU	TH	S	254	E	E	B	
02223	LAB	A	8-11		TH		234	E	E	B	
02224	DISC	B	2	M	W	F	250	E	E	B	
02224	LAB	B	2-5		TH		234	E	E	B	
02225	DISC	C	11	TU	TH	S	250	E	E	B	
02225	LAB	C	2-5	M			234	E	E	B	
02226	DISC	D	8	M	W	F	141	E	E	B	
02226	LAB	D	8-11			S	234	E	E	B	

E E 382 TRANSISTOR CIRCUITS.
PREREQUISITE--E. E. 342 AND 343, CREDIT OR REGISTRATION IN MET. E. 384, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

02227	DISC	A	9	M	W	F	133	E	E	B
02228	DISC	B	10	M	W	F	133	E	E	B
02229	DISC	C	11	M	W	F	133	E	E	B
02230	DISC	D	1	M	W	F	133	E	E	B
02231	LAB	P	10-1	TU			241	E	E	B
02232	LAB	Q	2-5		TH		241	E	E	B

E E 383 TRANSISTOR CIRCUITS.
PREREQUISITE--E. E. 342 AND 343, CREDIT OR REGISTRATION IN MET. E. 384, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

02233	DISC	E	9	M	W	F	133	E	E	B
02234	DISC	F	10	M	W	F	133	E	E	B
02235	DISC	G	11	M	W	F	133	E	E	B
02236	DISC	H	1	M	W	F	133	E	E	B

E E 386 FUNDAMENTALS OF SERVOMECHANISMS.
PREREQUISITE--SENIOR STANDING IN ELECTRICAL ENGINEERING, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 0 OR 1 UNIT

02237	DISC	A	1	M	W	F	168	E	E	B
02238	DISC	B	1	M	W	F	257	E	E	B
02239	LAB	P	9-12	M			268	E	E	B
02240	LAB	Q	9-12		TH		268	E	E	B
02241	LAB	R	2-5	TU			268	E	E	B
02242	LAB	S	8-11	TU			268	E	E	B

E E 388 ELECTRONIC ANALOG COMPUTERS.
PREREQUISITE--E.E. 340, 341, MATH. 345 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 0 OR 1 UNIT

02243	DISC	A	8	TU	TH	S	168	E	E	B
02244	LAB	M	1-3		TH		261	E	E	B
02245	LAB	N	3-5		TH		261	E	E	B
02246	LAB	P	9-11			S	261	E	E	B

E E 389 COMMUNICATION DESIGN.
PREREQUISITE--E.E. 342 AND E.E. 350.
3 HOURS, OR 0 OR 3/4 UNIT

02247	DISC	A	8	M	W	F	250	E	E	B

E E 391 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, I.
SAME AS MATH. 391.
PREREQUISITE--SENIOR STANDING AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

02248	DISC	A	9	M	W	F	260	M	E	B
02249	DISC	B	11	M	W	F	260	M	E	B

E E 392 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, II.
SAME AS MATH. 392.
PREREQUISITE--E. E. 391.

02250	LECT-DISC	D1	11	M	W	F	345	A	H	ABERTH

E E 393 DIGITAL COMPUTER ELECTRONICS
PREREQUISITE--E.E. 294, 340 AND 341 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

02251	DISC	A	9	M	W	F	269	E	E	B

E E 400 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS.
NO CREDIT

02252	LECT-DISC	A	4	TH	151	E E B		EMERY

E E 414 ENGINEERING APPLICATIONS OF LINEAR GRAPHS.
PREREQUISITE--E. E. 416, MATH. 315 OR 318.
1 UNIT

02253	LECT-DISC	A	1	TU TH	141	E E B		MAYEDA

E E 415 CONTROL SYSTEM THEORY AND DESIGN.
PREREQUISITE--E.E. 386 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
1 UNIT

02254	LECT-DISC	A	2	M W F	136	E E B		PERKINS

E E 416 ANALYSIS OF LINEAR NETWORKS AND SYSTEMS.
PREREQUISITE--CREDIT OR REGISTRATION IN MATH. 346 OR 348, E.E. 322
OR EQUIVALENT.
1 UNIT

02255	LECT-DISC	A	9	M W F	253	M E B		ROHRER
02256	LECT-DISC	B	2	M W F	335	E E B		WAX

E E 418 ELECTRIC AND MAGNETIC FIELDS.
1 UNIT

02257	LECT-DISC	A	8	M W F	335	E E B		EMERY

E E 420 ELECTROMAGNETIC WAVES AND RADIATING SYSTEMS.
1 UNIT

02258	LECT-DISC	A	10	M W F	141	E E B		KLOCK
02259	LECT-DISC	B	1	M W F	141	E E B		LO

E E 422 ADVANCED COMMUNICATION NETWORKS.
1 UNIT

02260	LECT-DISC	A	9	M W F	335	E E B		SKRODER

E E 428 ANALYSIS OF NONLINEAR SYSTEMS.
SAME AS T.A.M. 428.
PREREQUISITE--MATH. 341 AND CONSENT OF INSTRUCTOR.
1 UNIT

02261	LECT-DISC		10	M W F	302C	T L		

E E 431 MICROWAVE CIRCUITS.
PREREQUISITE--E.E. 420.
1 UNIT

02262	LECT-DISC	A	1030-12	TU TH	141	E E B		MITTRA

E E 433 INTRODUCTION TO STATISTICAL COMMUNICATION THEORY.
PREREQUISITE--E. E. 416 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

02263	LECT-DISC	A	830-10	TU TH	250	E E B		ASH

E E 440 ADVANCED POWER CIRCUIT ANALYSIS, I.
1 UNIT

02264	LECT-DISC	A	10	M W F	252	E E B		HELM

E E 451 NETWORK SYNTHESIS.
PREREQUISITE--MATH. 345.
1 UNIT

02265	LECT-DISC	A	2	M W F	141	E E B		LICHTENBERGER

E E 454 SAMPLED-DATA CONTROL SYSTEMS.
PREREQUISITE--E.E. 386 OR 415 OR EQUIVALENT.
1 UNIT

02266	LECT-DISC	A	10	M W F	335	E E B		KUO

E E 463 INFORMATION THEORY.
PREREQUISITE--MATH. 361 OR E. E. 433.
1 UNIT

02267	LECT-DISC	A	ARR					ASH

E E 475 IONOSPHERIC RADIO PROPAGATION.
PREREQUISITE--E.E. 420 OR EQUIVALENT.
1 UNIT

02268	LECT-DISC	A	11	M W F	335	E E B		YEH

E E 497 ELECTRICAL ENGINEERING PROBLEMS.
PREREQUISITE--GRADUATE STANDING IN ELECTRICAL ENGINEERING.
1/2 TO 2 UNITS
OTHER HOURS TO BE ARRANGED.

02269	LECT-DISC	A	11	M W F	136	E E B		MITTRA
02270	LECT-DISC	B	8-920	TU TH	141	E E B		ROBERTSON
02271	LECT-DISC	C	2-320	TU TH	141	E E B		SAH
02272	LECT-DISC	D	3	M W F	250	E E B		
02273	LECT-DISC	E	8	M W F	168	E E B		
02274	LECT-DISC	I	ARR					

E E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

02275	CONF		ARR					

ELEMENTARY EDUCATION

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

EL ED 101 NATURE OF THE TEACHING PROFESSION.
2 HOURS
*HONORS SECTION RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED THE CONSENT OF THE INSTRUCTOR.

02276	LECT		8	TH	2	EDUC		JOHNSON
02283	DISC	*01	9	TH	33	EDUC		JOHNSON
02277	DISC	2	8	TU	389	EDUC		
02278	DISC	3	9	TU	389	EDUC		
02279	DISC	4	11	TU	192	EDUC		
02280	DISC	5	11	TH	192	EDUC		
02281	DISC	6	2	TU	389	EDUC		
02282	DISC	7	2	TH	389	EDUC		

COURSES FOR ADVANCED UNDERGRADUATES

EL ED 230 PRINCIPLES OF ELEMENTARY EDUCATION.
PREREQUISITE--SENIOR STANDING, CONCURRENT REGISTRATION IN EL. ED. 231 AND ED. PR. 232.
2 HOURS
*OPEN ONLY TO STUDENT TEACHERS.

02284	LECT-DISC	*K	8-10	TU TH	385	EDUC		
02285	LECT-DISC	*M	10-12	TU TH	389	EDUC		MOORE
02286	LECT-DISC	*P	1-3	TU TH	385	EDUC		
02287	LECT-DISC	*R	3-5	TU TH	166	EDUC		CULLITON

EL ED 231 TECHNIC OF TEACHING IN THE ELEMENTARY SCHOOL.
PREREQUISITE--EL. ED. 101, 236, AND 237, REGISTRATION IN ED. PR. 220 OR 232.
3 HOURS

02298	LECT	*A	7-10PM	W	2	EDUC		CHALTAS
02288	DISC	1	7-10PM	W	188	EDUC		
02289	DISC	2	7-10PM	W	192	EDUC		
02290	DISC	3	7-10PM	W	389	EDUC		
02291	DISC	4	7-10PM	W	4G	EDUC		
02292	DISC	5	7-10PM	W	28	EDUC		
02293	DISC	6	7-10PM	W	46	G H		
02294	DISC	7	7-10PM	W	304	G H		
02295	DISC	8	7-10PM	W	307	G H		
02296	DISC	9	7-10PM	W	313	G H		
02297	DISC	10	7-10PM	W	315	G H		

EL ED 233 CLASSROOM PROGRAMS IN CHILDHOOD EDUCATION.
PREREQUISITE--JUNIOR STANDING.
2 HOURS.
*SECTIONS A,B, AND C MEET 9-12 MTUWTHF FOR SIX WEEKS OBSERVATION IN LOCAL SCHOOLS. THESE SECTIONS ARE TO BE TAKEN CONCURRENTLY WITH THE SAME SECTIONS OF EL. ED. 237.
*SECTIONS K AND R ONLY FOR STUDENTS WHO HAVE COMPLETED EL. ED. 236 AND 237.

02299	LECT-DISC	*A	10	TU	385	EDUC		MANOLAKES
		*A	12	TH	103	M H		MANOLAKES
02300	LECT-DISC	*B	10	W	385	EDUC		MANOLAKES
		*B	12	TH	103	M H		MANOLAKES
02301	LECT-DISC	*C	10	TH	385	EDUC		MANOLAKES
		*C	12	TH	103	M H		MANOLAKES
02302	LECT-DISC	*K	3-5	W	1	EDUC		
02303	LECT-DISC	*R	3-5	TH	389	EDUC		BARNES

EL ED 235 TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL.
PREREQUISITE--EL. ED. 101, JUNIOR STANDING.
3 HOURS.
*SECTIONS A AND C FOR STUDENT TEACHERS ONLY.

02305	LECT-DISC	*A	8-10	M W F	389	EDUC		MCGILL
02306	LECT-DISC	*C	1-3	M W F	389	EDUC		CHALTAS
02304	LECT-DISC	F	1	M W F	162	EDUC		

EL ED 236 CHILD DEVELOPMENT FOR ELEMENTARY TEACHERS.
PREREQUISITE--PSYCH. 100, EL. ED. 101.
3 HOURS
*SECTION &B HONORS SECTION. RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS, OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED CONSENT OF INSTRUCTOR.

02311	LECT-DISC	*&B	9	M W F	162	EDUC		STENDLER
02307	LECT-DISC	D	11	M W F	162	EDUC		STENDLER
02308	LECT-DISC	F	2	M W F	166	EDUC		
02309	LECT-DISC	H	3	M W F	385	EDUC		
02310	LECT-DISC	I	3	M W F	192	EDUC		

EL ED 237 CHILD DEVELOPMENT FOR ELEMENTARY TEACHERS.
PREREQUISITE--EL. ED. 236, CONCURRENT REGISTRATION IN EL. ED. 233.
3 HOURS
ALL SECTIONS MEET 9-12 MTUWTHF FOR SIX WEEKS OBSERVATION IN LOCAL SCHOOLS.
*SECTIONS A, B, C, TO BE TAKEN CONCURRENTLY WITH SAME SECTIONS OF EL. ED. 233.

02318	LECT	*A	11	TU	385	EDUC		SUCHMAN
02312	LAB	A1	8-10	TH	389	EDUC		
02313	LAB	A2	10-12	F	28	EDUC		
02319	LECT	*B	11	W	385	EDUC		SUCHMAN
02314	LAB	B1	8-10	M	176	EDUC		
02315	LAB	B2	10-12	M	28	EDUC		
02320	LECT	*C	11	TH	385	EDUC		SUCHMAN
02316	LAB	C1	10-12	F	385	EDUC		
02317	LAB	C2	10-12	M	385	EDUC		

EL ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

02321	CONF	&A	ARR					STAFF

EL ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

02322	CONF	&A	ARR					STAFF

EL ED 335 SCIENCE IN THE ELEMENTARY SCHOOL.
PREREQUISITE--EL. ED. 233 AND 237, OR EQUIVALENT, TWO YEARS OF COLLEGE SCIENCE.
3 HOURS, OR 1/2 UNIT
*LECTURE 1 REQUIRES TWO ADDITIONAL HOURS TO BE ARRANGED. LECTURE 2 REQUIRES FOUR ADDITIONAL LAB HOURS TO BE ARRANGED. THE LABORATORY WILL BE OPEN DAILY-SEE SCHEDULE AT LAB. LECTURE 2 OPEN TO STUDENT TEACHERS ONLY.

02325	LECT	*1	3-5	M		4G	EDUC	ATKIN
02323	LAB	1	ARR					
02326	LECT	*2	3-5		W	4G	EDUC	R W BURNET
02324	LAB	2	ARR					

EL ED 336 PRIMARY READING.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
*SECTION A2, C, AND F OPEN TO STUDENT TEACHERS ONLY.

02327	LECT-DISC	A1	8	M	W	F	192	EDUC	SHORES
02328	LECT-DISC	*A2	8-10	M	W	F	385	EDUC	CULLITON
02329	LECT-DISC	*C	10-12	M	W	F	389	EDUC	MOORE
02330	LECT-DISC	*F	1-3	M	W	F	16	EDUC	

EL ED 337 ART EDUCATION IN THE ELEMENTARY SCHOOL.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
*SECTION C1 OPEN TO STUDENT TEACHERS ONLY.

02334	LECT-DISC	*C1	10	MTUWTHF		62	K M	SCHULTZ
02331	LECT-DISC	C2	10	M	W	F	106	F A B	BREEN
02332	LECT-DISC	E	1	M	W	F	107	F A B	LANSING
02333	LECT-DISC	F	2	M	W	F	107	F A B	LANSING

COURSES FOR GRADUATES

EL ED 431 ELEMENTARY SCHOOL CLASSROOM PROGRAMS.
1 UNIT

02335	LECT-DISC	A	7-9PM		TH	192	EDUC	MOORE
02336	LECT-DISC	B	7-9PM	M		192	EDUC	BARNES

EL ED 433 CURRICULUM PROBLEMS AND TRENDS IN SPECIAL FIELDS OF ELEMENTARY EDUCATION.
PREREQUISITE--EL. ED. 431, LANGUAGE ARTS SECTION--EL. ED. 336 OR A COURSE IN THE TEACHING OF READING OR LANGUAGE ARTS, OR CONSENT OF INSTRUCTOR, CREATIVE ARTS SECTION--EL. ED. 337 OR CONSENT OF INSTRUCTOR, SCIENCE SECTION--EL. ED. 335 OR A METHODS COURSE IN TEACHING SCIENCE IN THE ELEMENTARY SCHOOL AND TWO YEARS OF COLLEGE SCIENCE, OR CONSENT OF INSTRUCTOR.
1 UNIT
*SECTION A IS FOR ARITHMETIC, SECTION B IS FOR SCIENCE.

02337	LECT-DISC	*A	7-9PM		W	16	EDUC	JOHNSON
02338	LECT-DISC	*B	7-9PM	M		4G	EDUC	ATKIN

EL ED 437 METHODS OF CHILD STUDY.
PREREQUISITE--ED. PSY. 312 OR CONSENT OF INSTRUCTOR.
1 UNIT

02339	LECT-DISC		430-630		TH	25	EDUC	STENDLER

EL ED 439 FUNDAMENTALS OF CURRICULUM DEVELOPMENT.
1 UNIT

02340	LECT-DISC	A	7-9PM		TH	385	EDUC	SHORES
02341	LECT-DISC	B	7-9PM	TU		166	EDUC	

EL ED 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
*1/2 OR 1 UNIT

02342	CONF		ARR	GRADUATE ST

EL ED 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.
1 OR 2 UNITS

02343	CONF		ARR	GRADUATE ST

EL ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS
02344 CONF ARR GRADUATE STAFF

EL ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS
02345 CONF ARR GRADUATE STAFF

ENGINEERING HONORS

COURSES FOR UNDERGRADUATES

ENG H 196 THE ENGINEER AND SOCIETY.
PREREQUISITE--ENROLLMENT IN A COLLEGE HONORS PROGRAM OR AS A JAMES SCHOLAR.
2 HOURS
02346 LECT-DISC 10-12 TU 1205 W OREGON J A HENRY

ENGLISH LITERATURE AND AMERICAN LITERATURE

DEPARTMENT OFFICE 100 E B

MAJOR--A COURSE IN SHAKESPEARE AND TWENTY ADDITIONAL HOURS IN ENGLISH--EXCLUDING ENGL. 101, 102, 103, 105, 106, 113, 114, 121, 122, 123, 304, AND RHET. 101, 102, 107, 108, 151, 200, 271, 272. OF THESE TWENTY ADDITIONAL HOURS, SEVENTEEN MUST BE TAKEN IN ENGLISH OR AMERICAN LITERATURE, INCLUDING THREE HOURS FROM EACH OF THE FOLLOWING GROUPS-1--AMERICAN LITERATURE-ENGLISH 255, 256-A STUDENT WHO HAS CREDIT FOR ENGLISH 113 OR 114 MAY OFFER ENGLISH 272, 273, 287, 288, 316, 352, 353, 354, 359, 375, 376, 377, OR 380. 2--ENGLISH LITERATURE PRIOR TO 1688-ENGLISH 221, 235, 311, 320, 325, 326, 342, 345. 3--ENGLISH LITERATURE, 1688-1800,-ENGLISH 245, 346, 348, 349. 4--ENGLISH LITERATURE, 1800-PRESENT-ENGLISH 246, 263, 264, 265, 266, 281, 282, 283, 284, 382.

FOR UNDERGRADUATE STUDENTS WHO CONTEMPLATE TAKING ADVANCED WORK OR ARE MAJORING IN ENGLISH, THE FOLLOWING SEQUENCES OF COURSES ARE SUGGESTED. FRESHMAN YEAR, FIRST SEMESTER, ENGLISH 101 OR RHETORIC 107-SECOND SEMESTER, ENGLISH 102 OR 103 OR RHETORIC 108. SOPHOMORE YEAR, FIRST SEMESTER, ENGLISH 105 OR ENGLISH 121-SECOND SEMESTER ENGLISH 106 OR ENGLISH 122. ENGLISH 101 AND EITHER 102 OR 103, OR RHETORIC 107 AND 108 ARE THE NORMAL PREREQUISITE TO THE ENGLISH MAJOR. IF NECESSARY, ENGLISH 101, 102, OR 103 MAY BE TAKEN CONCURRENTLY WITH ADVANCED COURSES. IN EXCEPTIONAL CASES, ENGLISH 105 AND 106 OR ENGLISH 121 AND 122 MAY BE ACCEPTED AS ALTERNATIVE PREREQUISITES TO THE MAJOR.

MINORS--AN APPROVED SEQUENCE OF TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN THE LESSER IF TWO ARE CHOSEN--ANTHROPOLOGY, ANY FOREIGN LANGUAGE, ECONOMICS, HISTORY, HUMANITIES, LAW, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND SPEECH--OR AN APPROVED SEQUENCE IN HISTORY OF ARCHITECTURE, HISTORY OF ART, OR MUSIC-NOT INCLUDING APPLIED MUSIC-COMBINED WITH ANY ONE OF THE ABOVE SUBJECTS. WITH THE WRITTEN APPROVAL OF THE DEPARTMENT ADVISER, OTHER SUBJECTS MAY BE SUBSTITUTED. NO LANGUAGE COURSES WILL SATISFY MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJORS OF THEIR DEPARTMENTS EXCEPT FRENCH 103, GERMAN 103, LATIN 101, 102, 103, PORTUGUESE 103, 104, AND SPANISH 103. FOREIGN LANGUAGE DEPARTMENT COURSES PRESENTING FOREIGN LITERATURE IN TRANSLATION ARE ALSO EXCLUDED. STUDENTS INTENDING TO DO GRADUATE WORK SHOULD CONSULT THE LANGUAGE REQUIREMENTS OF THE GRADUATE COLLEGE AND THE ENGLISH DEPARTMENT WHEN THEY PLAN THEIR MINOR PROGRAMS.

ENGLISH MAJORS WHO INTEND TO TEACH IN SECONDARY SCHOOLS MUST SEE THE ADVISER ON SPECIAL CURRICULA.

DEPARTMENTAL DISTINCTION--A STUDENT MAJORING IN ENGLISH WHO MEETS THE UNIVERSITY GRADE-POINT REQUIREMENT--4.0 OR HIGHER--MAY EARN DISTINCTION ONLY BY SUCCESSFULLY COMPLETING ENGLISH 297 AND 298 IN ADDITION TO THE REGULAR REQUIREMENTS FOR HIS MAJOR. A STUDENT ENROLLED IN THE TEACHER TRAINING CURRICULUM IN ENGLISH MAY SUBSTITUTE ENGLISH 295 OR 296 FOR ONE SEMESTER OF THE ENGLISH 297-298 SEQUENCE PROVIDED THAT HIS ADVISER APPROVES AND THAT HIS SCHEDULE MAKES SUCH SUBSTITUTION NECESSARY. THE LEVEL OF DISTINCTION--DISTINCTION, HIGH DISTINCTION, OR HIGHEST DISTINCTION--IS DETERMINED BY THE INSTRUCTORS IN CHARGE OF THE COURSE AND THE HONORS COMMITTEE. TO RECEIVE HIGH DISTINCTION, HOWEVER, A STUDENT MUST HAVE A MINIMUM GRADE AVERAGE OF 4.5 IN ALL COURSES THAT COUNT TOWARD HIS MAJOR. TO RECEIVE HIGHEST DISTINCTION HIS AVERAGE IN THESE COURSES MUST BE AT LEAST 4.75. IF, IN THE OPINION OF THE INSTRUCTORS IN ENGLISH 297 AND 298 AND THE COMMITTEE, A CANDIDATE HAS NOT EARNED DISTINCTION, HE MAY STILL RECEIVE CREDIT FOR THE COURSE.

MAJOR IN COMPOSITION--SEE RHETORIC AND COMPOSITION.

COURSES FOR UNDERGRADUATES

ENGL 101 INTRODUCTION TO POETRY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02347	LECT-DISC	A1	8	M	W	F	140	ADMIN	C SLIGHTS
02348	LECT-DISC	B1	9	M	W	F	140	ADMIN	C SLIGHTS
02349	LECT-DISC	B2	9	M	W	F	8	C A	WOOLLEY
02350	LECT-DISC	C1	10	M	W	F	147	ARMORY	WELSH
02351	LECT-DISC	C2	10	M	W	F	240	L H	WOOLLEY
02352	LECT-DISC	D1	11	M	W	F	147	ARMORY	PARKER
02353	LECT-DISC	D2	11	M	W	F	240	L H	SAYRE
02354	LECT-DISC	X1	12	M	W	F	112	E B	TRAHERN
02355	LECT-DISC	E1	1	M	W	F	101	E C	KALMEY
02356	LECT-DISC	F1	2	M	W	F	209	E B	WELSH
02357	LECT-DISC	G1	3	M	W	F	259	E B	KALMEY

ENGL 102 INTRODUCTION TO THE DRAMA.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02358	LECT-DISC	A1	8	M	W	F	108	E B	STOTTLAR
02359	LECT-DISC	B1	9	M	W	F	147	ARMORY	COLE
02360	LECT-DISC	B2	9	M	W	F	240	L H	HINELY
02361	LECT-DISC	C1	10	M	W	F	103	N L	STILLWELL
02362	LECT-DISC	D1	11	M	W	F	103	N L	HINELY
02363	LECT-DISC	D2	11	M	W	F	204	N L	STILLWELL
02364	LECT-DISC	X1	12	M	W	F	108	E B	STOTTLAR
02365	LECT-DISC	X2	12	M	W	F	8	C A	MATTHEWS
02366	LECT-DISC	E1	1	M	W	F	140	ADMIN	MATTHEWS
02367	LECT-DISC	F1	2	M	W	F	8	C A	BRANDAHUR
02368	LECT-DISC	G1	3	M	W	F	108	E B	HASKELL

ENGL 103 INTRODUCTION TO FICTION.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02369	LECT-DISC	A1	8	M	W	F	8	C A	HINELY
02370	LECT-DISC	A2	8	M	W	F	434	N H B	BAYM
02371	LECT-DISC	B1	9	M	W	F	434	N H B	BAYM
02372	LECT-DISC	B2	9	M	W	F	242	ARMORY	LAMAR
02373	LECT-DISC	C1	10	M	W	F	140	ADMIN	BAYM
02374	LECT-DISC	C2	10	M	W	F	8	C A	FUMENTO
02375	LECT-DISC	D1	11	M	W	F	210	C A	WASSON
02376	LECT-DISC	D2	11	M	W	F	240	ADMIN	STONE
02377	LECT-DISC	E1	1	M	W	F	210B	E B	CURLEY
02378	LECT-DISC	F1	2	M	W	F	327	G H	ADELMAN
02379	LECT-DISC	F2	2	M	W	F	117	E B	DERUS
02380	LECT-DISC	G1	3	M	W	F	327	G H	STEWART
02381	LECT-DISC	G2	3	M	W	F	223	E B	SCHNEIDER

ENGL 105 MASTERPIECES OF ENGLISH LITERATURE TO 1800.
•CREDIT IS NOT GIVEN FOR ENGL. 105 IN ADDITION TO ENGL. 121.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
STUDENTS MUST REGISTER FOR LECTURE SECTION AND FOR
ONE DISCUSSION SECTION.

02382	LECT	L	9	TU TH	213	G H	SHUGRUE
02383	DISC	M1	10	TU TH	210B	E B	
02384	DISC	N1	11	TU TH	205	E B	
02385	DISC	P1	1	TU TH	112	E B	
02386	DISC	R1	2	TU TH	205	E B	
02387	DISC	S1	3	TU TH	108	E B	
02388	DISC	T1	4	TU TH	108	E B	

ENGL 106 MASTERPIECES OF ENGLISH LITERATURE AFTER 1800.
•CREDIT IS NOT GIVEN FOR ENGL. 106 IN ADDITION TO ENGL. 122.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
STUDENTS MUST REGISTER FOR LECTURE SECTION AND FOR
ONE DISCUSSION SECTION.

02389	LECT	M	10	TU TH	196	L H	WILKIE
02390	DISC	P1	1	TU TH	240	L H	
02391	DISC	R1	2	TU TH	240	L H	

ENGL 113 CLASSIC AMERICAN AUTHORS BEFORE THE CIVIL WAR.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102, OR
DESIGNATION AS EDMUND J. JAMES SCHOLAR.
•CREDIT IS NOT GIVEN FOR ENGL. 113 IN ADDITION TO ENGL. 255.
•3 HOURS

02392	LECT-DISC	A1	8	M W F	259	E B	PARKER
02393	LECT-DISC	B1	9	M W F	108	E B	HAMILTON
02394	LECT-DISC	C1	10	M W F	434	N H B	MIGNON
02395	LECT-DISC	D1	11	M W F	434	N H B	MIGNON
02396	LECT-DISC	E1	1	M W F	396	L H	SCOTT
02397	LECT-DISC	F1	2	M W F	201	E B	WATTS

STUDENTS WHO REGISTER FOR THE LECTURE SECTION MUST
REGISTER FOR ONE OF THE DISCUSSION SECTIONS.

02398	LECT	P	1	TU TH	100	M M B	HODGINS
02399	DISC	R1	2	TU	223	E B	
02400	DISC	R2	2	TU	259	E B	
02401	DISC	R3	2	TH	313	D H	
02402	DISC	S1	3	TU	313	D H	
02403	DISC	S2	3	TH	313	D H	
02404	DISC	S3	3	TH	194	L H	
02405	DISC	T1	4	TU	313	D H	
02406	DISC	T2	4	TH	313	D H	

ENGL 114 CLASSIC AMERICAN AUTHORS AFTER THE CIVIL WAR TO THE PRESENT.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102,
OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
•CREDIT IS NOT GIVEN FOR ENGL. 114 IN ADDITION TO ENGL. 256.
•3 HOURS

02407	LECT-DISC	A1	[illegible]	M W F	223	E B	KELLEY
02408	LECT-DISC	B1	9	M W F	243	ARMORY	STUBBS
02409	LECT-DISC	C1	10	M W F	349	ARMORY	STUBBS
02410	LECT-DISC	D1	11	M W F	117	E B	SCOUFFAS
02411	LECT-DISC	X1	12	M W F	209	E B	SAYRE
02412	LECT-DISC	F1	2	M W F	154	ADMIN	SAYRE

STUDENTS WHO REGISTER FOR THE LECTURE SECTION MUST
REGISTER FOR ONE OF THE DISCUSSION SECTIONS.

02413	LECT	L	9	TU TH	100	M M B	MOAKE
02414	DISC	M1	10	TU	117	E B	
02415	DISC	M2	10	TH	117	E B	
02416	DISC	N1	11	TU	201	E B	
02417	DISC	N2	11	TH	201	E B	
02418	DISC	P1	1	TU	108	E B	
02419	DISC	P2	1	TH	108	E B	
02420	DISC	R1	2	TU	210B	E B	
02421	DISC	R2	2	TH	108	E B	

ENGL 121 CHIEF ENGLISH WRITERS BEFORE 1800.
PREREQUISITE--SOPHOMORE STANDING, OR EXEMPTION FROM RHET. 102, OR
DESIGNATION AS EDMUND J. JAMES SCHOLAR.
•CREDIT IS NOT GIVEN FOR ENGL. 121 IN ADDITION TO ENGL. 105.
•3 HOURS

02422	LECT-DISC	A1	8	M W F	9	C A	WELSH
02423	LECT-DISC	C1	10	M W F	117	E B	MATTHEWS
02424	LECT-DISC	D1	11	M W F	223	E B	ALLEN
02425	LECT-DISC	X1	12	M W F	117	E B	KALMEY
02426	LECT-DISC	F1	2	M W F	427	ARMORY	ALLEN

ENGL 122 CHIEF ENGLISH WRITERS OF THE NINETEENTH CENTURY.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102, OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
*CREDIT IS NOT GIVEN FOR ENGL. 122 IN ADDITION TO ENGL. 106.
*3 HOURS

02427	LECT-DISC	B1	9	M	W	F	194	L H		ROBERTS
02428	LECT-DISC	D1	11	M	W	F	8	C A		CLARKE
02429	LECT-DISC	E1	1	M	W	F	8	C A		CLARKE

ENGL 123 CHIEF MODERN ENGLISH WRITERS.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102, OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
3 HOURS

02430	LECT-DISC	C1	10	M	W	F	194	L H		ADELMAN
02431	LECT-DISC	D1	11	M	W	F	154	ADMIN		ADELMAN
02432	LECT-DISC	E1	1	M	W	F	313	D H		DERUS

ENGL 131 INTRODUCTION TO SHAKESPEARE.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102. OR DESIGNATION AS AN EDMUND J. JAMES SCHOLAR.
3 HOURS

02433	LECT-DISC	B1	9	M	W	F	201	E B		GABEL
02434	LECT-DISC	C1	10	M	W	F	108	E B		GOLDING
02435	LECT-DISC	C2	10	M	W	F	205	E B		WRIGHT
02436	LECT-DISC	D1	11	M	W	F	196	L H		LYNEN
02437	LECT-DISC	D2	11	M	W	F	140	ADMIN		SHATTUCK
02438	LECT-DISC	F1	2	M	W	F	140	ADMIN		ROBERTS
02439	LECT-DISC	G1	3	M	W	F	140	ADMIN		ROBERTS

ENGL 197 SOPHOMORE HONORS SEMINAR IN LITERARY STUDY.
PREREQUISITE--SOPHOMORE STANDING, AN AVERAGE OF B OR BETTER IN TWO COURSES FROM THE FOLLOWING--ENGL. 101, 102, 103, 105, 106, RHET. 107, 108, OR CONSENT OF INSTRUCTOR.
3 HOURS
&F1 TOPIC--JAMES JOYCE. A STUDY OF - DUBLINERS, A PORTRAIT OF THE ARTIST, ULYSSES.
&F2 TOPIC--METAPHYSICAL AND CAVALIER POETRY.

02440	LECT-DISC	&F1	2-4	TU			210A	E B		BRANDABUR
02441	LECT-DISC	&F2	2-4		TH		210A	E B		GOLDING

ENGL 201* LITERARY STUDY OF THE BIBLE.
3 HOURS

02442	LECT-DISC	C	10	M	W	F	210	C A		BERRY

ENGL 215 PRACTICAL CRITICISM.
PREREQUISITE--NINE HOURS OF LITERATURE OR CONSENT OF INSTRUCTOR.
3 HOURS

02443	LECT-DISC	E	1	M	W	F	308	C A		RUECKERT
02444	LECT-DISC	F	2	M	W	F	308	C A		RUECKERT

ENGL 231 SHAKESPEARE, I.
3 HOURS

02445	LECT-DISC	C	10	M	W	F	201	E B		ORNSTEIN
02446	LECT-DISC	E	1	M	W	F	259	E B		COLE

ENGL 235 ENGLISH DRAMA PREVIOUS TO SHAKESPEARE.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

02447	LECT-DISC	A	8	M	W	F	112	E B		HOLADAY

ENGL 245 ENGLISH LITERATURE FROM 1688 TO 1789.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

02448	LECT-DISC	C	10	M	W	F	196	L H		HAIG

ENGL 246 THE ENGLISH ROMANTIC POETS.
3 HOURS

02449	LECT-DISC	D	11	M	W	F	108	E B		WILKIE

ENGL 251 GREAT NOVELISTS OF THE EIGHTEENTH CENTURY.
3 HOURS

02450	LECT-DISC	N	11	TU	TH		108	E B		SHUGRUE

ENGL 253 GREAT FOREIGN NOVELISTS IN RELATION TO THE ENGLISH NOVEL.
3 HOURS

02451	LECT-DISC	L	9	TU TH	202	H H			GETTMANN

ENGL 255 SURVEY OF AMERICAN LITERATURE, I.
*CREDIT IS NOT GIVEN FOR BOTH ENGL. 113 AND 255.
*3 HOURS

02452	LECT-DISC	A1	8	M W F	117	E B			HAMILTON
02453	LECT-DISC	B1	9	M W F	205	E B			HODGINS
02454	LECT-DISC	B2	9	M W F	142	ADMIN			PARKER
02455	LECT-DISC	C1	10	M W F	327	G H			HODGINS
02456	LECT-DISC	C2	10	M W F	142	ADMIN			SCOTT
02457	LECT-DISC	E1	1	M W F	142	ADMIN			MIGNON
02458	LECT-DISC	F1	2	M W F	142	ADMIN			HASKELL
02459	LECT-DISC	G1	3	M W F	142	ADMIN			PAUL

ENGL 256 SURVEY OF AMERICAN LITERATURE, II.
*CREDIT IS NOT GIVEN FOR BOTH ENGL. 114 AND 256.
*3 HOURS

02460	LECT-DISC	A1	8	M W F	242	ARMORY			STUBBS
02461	LECT-DISC	B1	9	M W F	199	E C			SIMON
02462	LECT-DISC	D1	11	M W F	142	ADMIN			MOAKE
02463	LECT-DISC	D2	11	M W F	205	E B			KELLEY
02464	LECT-DISC	E1	1	M W F	205	E B			LYNEN

ENGL 257 SURVEY OF ENGLISH LITERATURE, I.
PREREQUISITE--SENIOR STANDING.
3 HOURS
*WILL NOT MEET DURING THE SIX WEEK STUDENT TEACHING PERIOD.

02465	LECT-DISC	A	8	M W F	209	E B			GOLDING
02467	LECT-DISC	*B1	9	MTUWTHF	112	E B			BERRY
02468	LECT-DISC	*B2	9	MTUWTHF	209	E B			WRIGHT
02466	LECT-DISC	D1	11	M W F	209	E B			ROBINS
02469	LECT-DISC	*E	1	MTUWTHF	314	L H			HAIG

ENGL 258 SURVEY OF ENGLISH LITERATURE,II.
PREREQUISITE--SENIOR STANDING.
3 HOURS

02470	LECT-DISC	D	11	M W F	327	G H			WILSON

ENGL 263 EARLY VICTORIAN LITERATURE.
3 HOURS

02471	LECT-DISC	D	11	M W F	194	L H			SMALLEY

ENGL 265 MAJOR AUTHORS AFTER 1789.
2 HOURS
TOPIC--BROWNING, TENNYSON, ARNOLD

02472	LECT-DISC	E	1	M W	209	E B			MILLET

ENGL 271 MAJOR AMERICAN WRITERS.
2 HOURS
TOPIC--KATHERINE ANNE PORTER AND WILLIAM FAULKNER.

02473	LECT-DISC	L	9	TU TH	205	E B			RUECKERT

ENGL 272 THE BEGINNINGS OF MODERN POETRY.
3 HOURS

02474	LECT-DISC	E	1	M W F	117	E B			QUINN

ENGL 281 DEVELOPMENT OF THE MODERN DRAMA, I.
3 HOURS

02475	LECT-DISC	F	2	M W F	202	H H			HERRICK

ENGL 283 ENGLISH LITERATURE IN THE TWENTIETH CENTURY, I.
3 HOURS

02476	LECT-DISC	G	3	M W F	196	L H			BRANDABUR

ENGL 285 THE SHORT STORY, I.
PREREQUISITE--ONE COURSE IN ENGLISH OR AMERICAN LITERATURE.
3 HOURS

02477	LECT-DISC	C	10	M W F	259	E B			SCOUFFAS
02478	LECT-DISC	X	12	M W F	142	ADMIN			SCOTT
02479	LECT-DISC	F	2	M W F	223	E B			CURLEY

ENGL 287 THE AMERICAN NOVEL. COOPER TO NORRIS.
3 HOURS

02480	LECT-DISC	C	10	M	W	F	223	E B	HASKELL

ENGL 295 JUNIOR HONORS SEMINAR IN LITERARY STUDY, I.
PREREQUISITE--JUNIOR STANDING, A UNIVERSITY GRADE AVERAGE OF 3.75 OR CONSENT OF HEAD OF DEPARTMENT.
2 HOURS

02481	LECT-DISC	&M1	10-12		TH		119	E B	NIMS
02482	LECT-DISC	&M2	10-12		TH		210A	E B	KAUFMANN

ENGL 297 SENIOR HONORS SEMINAR IN LITERARY HISTORY AND CRITICISM, I.
REQUIRED OF ALL CANDIDATES FOR DISTINCTION IN ENGLISH.
PREREQUISITE--SENIOR STANDING, A UNIVERSITY GRADE AVERAGE OF 4.0 OR CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

02483	LECT-DISC	&E1	1	M	W		210A	E B	MILLIGAN
02484	LECT-DISC	&E2	1	M	W		309	E B	SCHNEIDER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ENGL 304 PROFESSIONAL EXPRESSION.
SAME AS G.E. 304.
PREREQUISITE--ADVANCED OR GRADUATE STANDING AND CONSENT OF INSTRUCTOR.
3 OR 4 HOURS, OR 1 UNIT

02485	LECT-DISC	D	11	M	W	F	238	M E B	DAVIS

ENGL 311 CHAUCER.
3 HOURS, OR 3/4 UNIT

02486	LECT-DISC	F	2	M	W	F	210B	E B	STILLWELL

ENGL 338 TRAGEDY.
3 HOURS, OR 3/4 UNIT

02487	LECT-DISC	P	1		TU		223	E B	LERNER
		P	1-3			TH	223	E B	

ENGL 342 THE POETRY OF MILTON.
3 HOURS, OR 3/4 UNIT

02488	LECT-DISC	C	10	M	W	F	210B	E B	ROBINS

ENGL 345 THE METAPHYSICAL POETS.
3 HOURS, OR 3/4 UNIT

02489	LECT-DISC	B	9	M	W	F	210B	E B	EVANS

ENGL 348 SWIFT, POPE, AND FIELDING.
PREREQUISITE--A COURSE IN ENGLISH LITERATURE.
3 HOURS, OR 3/4 UNIT

02490	LECT-DISC	D	11	M	W	F	259	E B	HAIG

ENGL 352 AMERICAN LITERATURE--IRVING TO WHITMAN.
3 HOURS, OR 3/4 UNIT

02491	LECT-DISC	A	8	M	W	F	205	E B	

ENGL 359 THE ORIGIN AND DEVELOPMENT OF THE FOLK TALE.
3 HOURS, OR 3/4 UNIT

02492	LECT-DISC	D	11	M	W	F	201	E B	FLANAGAN

ENGL 371 HISTORY AND PRINCIPLES OF LITERARY AND RHETORICAL CRITICISM, ARISTOTLE TO SIDNEY.
SAME AS SPCH. 371.
PREREQUISITE--SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

02493	LECT-DISC	G	3	M	W	F	112	E B	HERRICK

ENGL 375 HENRY JAMES AND THE TECHNIQUE OF FICTION.
3 HOURS, OR 3/4 UNIT

02494	LECT-DISC	B	9	M	W	F	210A	E B	KELLEY

ENGL 376 AMERICAN CRITICISM AND AMERICAN CULTURE.
PREREQUISITE--ENGL. 113 AND 114, OR ENGL. 255 AND 256.
3 HOURS, OR 3/4 UNIT

02495	LECT-DISC	F	2	M W F	240	L H		PAUL

ENGL 377 MAJOR AMERICAN POETS.
PREREQUISITE--ONE COURSE IN ENGLISH OR AMERICAN LITERATURE.
3 HOURS, OR 3/4 UNIT

02496	LECT-DISC	F	2	M W F	112	E B		LYNEN

ENGL 381 THEMES AND MOVEMENTS IN BRITISH LITERATURE.
PREREQUISITE--SIX HOURS OF ENGLISH OR AMERICAN LITERATURE.
3 HOURS OR 3/4 UNIT
TOPIC--SCIENCE AND LITERATURE.

02497	LECT-DISC	B	9	M W F	223	E B		ROBINS

ENGL 382 THE PLAYS OF BERNARD SHAW.
3 HOURS, OR 3/4 UNIT

02498	LECT-DISC	E	1	M W F	201	E B		SHATTUCK

ENGL 385 THEMES AND MOVEMENTS IN AMERICAN LITERATURE.
3 HOURS, OR 3/4 UNIT
TOPIC--EUROPE AND AMERICA IN AMERICAN LITERATURE

02499	LECT-DISC	B	9	M W F	117	E B		ALTENBERND

COURSES FOR GRADUATES

ENGL 401 OLD ENGLISH--ANGLO SAXON.
1 UNIT

02500	LECT-DISC	B	9	M W F	309	LIB		TRAHERN
02501	LECT-DISC	D	11	M W F	309	LIB		TRAHERN

ENGL 403 HISTORY OF THE ENGLISH LANGUAGE.
1 UNIT

02502	LECT-DISC	D	11	M W F	112	E B		CAMPBELL

ENGL 404 OLD ENGLISH LITERATURE AND ITS CULTURAL BACKGROUND.
PREREQUISITE--ENGL. 401 AND 402.
1 UNIT

02503	LECT-DISC	E	1	M W F	112	E B		

ENGL 406 MIDDLE ENGLISH LITERATURE AND ITS CULTURAL BACKGROUND.
1 UNIT

02504	LECT-DISC	F	2	M W F	184	L H		WRIGHT

ENGL 407 STUDIES IN CHAUCER AND HIS TIMES, I
1 UNIT

02505	LECT-DISC	G	3	M W F	210A	E B		CAMPBELL

ENGL 411 STUDIES IN SIXTEENTH CENTURY LITERATURE, I.
1 UNIT

02506	LECT-DISC	M	10	TU TH	309	LIB		MILLIGAN

ENGL 413 STUDIES IN SHAKESPEARE.
1 UNIT

02507	LECT-DISC	C	10	M W	112	E B		EVANS

ENGL 417 STUDIES IN SEVENTEENTH CENTURY POETRY AND MILTON, 1600-1640.
1 UNIT

02508	LECT-DISC	N	11	TU TH	309	LIB		BARKER

ENGL 421 STUDIES IN EIGHTEENTH CENTURY LITERATURE, I.
1 UNIT

02509	LECT-DISC	M	10	TU TH	303	E B		ROGERS

ENGL 427 STUDIES IN THE ROMANTIC MOVEMENT, I.
1 UNIT

02510	LECT-DISC	E	1	TU TH	309	LIB		GETTMANN

ENGL 431 STUDIES IN VICTORIAN LITERATURE I.
1 UNIT

02511	LECT-DISC	V	7-9PM	TU	309	LIB		SMALLEY

ENGL 433 STUDIES IN TWENTIETH CENTURY ENGLISH LITERATURE.
1 UNIT

02512	LECT-DISC	G	3-5	TU	194	L	H	WASSON

ENGL 438 STUDIES IN AMERICAN LITERATURE AFTER 1800.
PREREQUISITE--SURVEY COURSE IN AMERICAN LITERATURE OR CONSENT OF INSTRUCTOR.
1 UNIT
TOPIC--STUDIES IN AMERICAN ROMANTICISM 1800-1860.

02513	LECT-DISC	B	9	M W F	327	G	H	DAVIDSON

ENGL 445 INTRODUCTION TO ADVANCED GRADUATE STUDY.
REQUIRED OF ALL CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN ENGLISH.
1/4 UNIT

02514	LECT-DISC	A1	8	M	309	LIB		DAVIDSON
02515	LECT-DISC	F1	2	TU	112	E	B	GABEL
02516	LECT-DISC	F2	2	TH	194	L	H	BERRY
02517	LECT-DISC	F3	2	TH	112	E	B	GABEL
02518	LECT-DISC	G1	3	TH	209	E	B	BERRY

ENGL 446 INTRODUCTION TO ADVANCED GRADUATE STUDY.
REQUIRED OF ALL CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN ENGLISH.
1/4 UNIT

02519	LECT-DISC	A	8	W	309	LIB		DAVIDSON

ENGL 460 PROBLEMS IN ENGLISH RENAISSANCE HUMANISM.
PREREQUISITE--ENGL. 325 OR 411 OR CONSENT OF INSTRUCTOR.
1 UNIT

02520	LECT-DISC	F	2-4	TH	303	E	B	BARKER

ENGL 461 PROBLEMS IN SPENSER.
PREREQUISITE--ENGL. 326 OR ANY COURSE IN THE SIXTEENTH CENTURY.
1 UNIT

02521	LECT-DISC	C	10	M W F	209	E	B	

ENGL 462 PROBLEMS IN TUDOR DRAMA.
1 UNIT

02522	LECT-DISC	L	9	TU TH	210A	E	B	HOLADAY

ENGL 464 PROBLEMS IN ELIZABETHAN DRAMA.
1 UNIT

02523	LECT-DISC	D	11	M W	210B	E	B	ORNSTEIN

ENGL 471 PROBLEMS IN EIGHTEENTH-CENTURY LITERATURE.
PREREQUISITE--ENGL. 421, 422, OR EQUIVALENT OR CONSENT OF INSTRUCTOR
1 UNIT

02524	LECT-DISC	E	1	M W	223	E	B	

ENGL 476 PROBLEMS IN ROMANTIC LITERATURE.
PREREQUISITE--ENGL. 427 AND 428, OR CONSENT OF INSTRUCTOR.
1 UNIT
TOPIC--WILLIAM BLAKE.

02525	LECT-DISC	F	2-4	W	309	LIB		CLARKE

ENGL 479 PROBLEMS IN VICTORIAN LITERATURE.
PREREQUISITE--ENGL. 431 OR 432.
1 UNIT
TOPIC--GEORGE ELIOT.

02526	LECT-DISC	G	3	TU TH	223	E	B	LERNER

ENGL 488 PROBLEMS IN AMERICAN LITERATURE AND CULTURE.
PREREQUISITE--A SURVEY OF AMERICAN LITERATURE OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY REPEAT COURSE FOR CREDIT.
*1 UNIT
TOPIC--LEWIS AND DREISER.

02527	LECT-DISC	H	4-6	F	210A	E	B	FLANAGAN

ENGL 497 INDEPENDENT READING.
PREREQUISITE--CONSENT OF INSTRUCTOR OF CONCURRENT 300 LEVEL COURSE.
*STUDENTS MAY ACCUMULATE 1/2 UNIT.

ENGL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
INSTRUCTORS--BARKER, DAVIDSON, EVANS, FLANAGAN, GETTMAN, HAIG, HERRICK, HOLADAY, HOOK, KELLEY, LEES, LYNEN, MCBURNEY, MILLIGAN, ORNSTEIN, PAUL, ROBERTS, ROBINS, ROGERS, SCOTT, SHATTUCK, SMALLEY, SMITH, STILLINGER, STILLWELL, AND WILSON.

02528	CONF	ARR

ENTOMOLOGY

DEPARTMENT OFFICE 320 MOR HALL

MAJOR--TWENTY HOURS IN ENTOMOLOGY, EXCLUDING ENTOM. 101, 103, AND 131. ZOOL. 318 AND 321 MAY BE APPLIED FOR MAJOR CREDIT. AT LEAST FIVE HOURS MUST BE TAKEN FROM THE ADVANCED GROUP.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--AGRONOMY, BOTANY, CHEMISTRY, HORTICULTURE, MICROBIOLOGY, PHYSIOLOGY, AND ZOOLOGY.

AS A GENERAL POLICY, STUDENTS WHO CONTEMPLATE EVENTUAL CAREERS IN ENTOMOLOGY ARE URGED TO USE THE UNDERGRADUATE YEARS TO GAIN THOROUGH GROUNDING IN THE FUNDAMENTALS OF PHYSICAL AND BIOLOGICAL SCIENCE, IN MATHEMATICS AND THE OTHER LIBERAL ARTS, AND IN THE TECHNIQUES OF COMMUNICATION. THE DEPARTMENT IS GLAD TO ADVISE STUDENTS IN REGARD TO THE MOST EFFECTIVE SCHEDULE OF STUDY TO SUIT THEIR PARTICULAR NEEDS.

ENTOM. 101 AND 103 ARE OPEN TO FRESHMEN, AND 131 TO SOPHOMORES, WITHOUT PREREQUISITES. PREREQUISITES FOR OTHER COURSES ARE INDICATED BELOW.

COURSES FOR UNDERGRADUATES

ENTOM 101 AGRICULTURAL ENTOMOLOGY.
3 HOURS

02529	LECT	A	10	M W	309	H H	WALDBAUER
02530	LECT	B	9	TU TH	312	H H	WALDBAUER
02531	LAB	A	10-12	F	309	H H	WALDBAUER
02532	LAB	B	10-12	TH	312	H H	WALDBAUER

ENTOM 103 LIFE OF INSECTS.
4 HOURS

02533	LAB-DISC	A	1-3	M F	309	H H	DOWNES
		A	2	W	309	H H	DOWNES
02534	LAB-DISC	B	3-5	M F	309	H H	DOWNES
		B	4	W	309	H H	DOWNES

ENTOM 131 ESSENTIALS OF BEEKEEPING.
SAME AS HORT. 131.
PREREQUISITE--SOPHOMORE STANDING.
2 HOURS

02535	LECT	1	TH	106F	H F L	JAYCOX
02535	LAB	2-4	TH	106F	H F L	JAYCOX

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ENTOM 301 INTRODUCTION TO ADVANCED ENTOMOLOGY, I.
PREREQUISITE--ZOOL. 101, BOT. 100, AND CHEM. 101, OR EQUIVALENT.
4 HOURS, OR 1 UNIT

02536	LECT	8	TU TH	309	H H	CHADWICK AND
02536	LAB	9-11	TU TH	309	H H	STERNBURG

ENTOM 306 SPECIAL PROBLEMS.
PREREQUISITE--ANY OF THE FOLLOWING--ENTOM. 131, 301, 302, 317, 319, 322, OR ZOOL. 101 OR 321, SENIOR STANDING.
2 TO 5 HOURS, OR 1/4 OR 1 UNIT

02537	DISC	&	ARR				STAFF

ENTOM 317 CLASSIFICATION OF INSECTS.
PREREQUISITE--ENTOM. 302.
4 HOURS, OR 1 UNIT

02538	LECT	8	M	W	312	H H	SELANDER
02538	LAB	9-11	M	W	312	H H	SELANDER

ENTOM 319 FUNDAMENTALS OF INSECT CONTROL.
PREREQUISITE--ZOOL. 101, BOT. 100, AND CHEM. 101 OR EQUIVALENT.
4 HOURS, OR 1 UNIT

02539	LECT	1	M	W	420A	MOR HALL	HORSFALL
02539	LAB	2-4	M	W	420A	MOR HALL	KEARNS

COURSES FOR GRADUATES

ENTOM 413 MEDICAL AND VETERINARY ENTOMOLOGY.
PREREQUISITE--ENTOM. 101, 103, OR 301, OR ZOOL. 320.
1 UNIT

02540	LECT	1	TU	TH	420A	MOR HALL	HORSFALL
02540	LAB	2-4	TU	TH	420A	MOR HALL	HORSFALL

ENTOM 423 INSECT BEHAVIOR.
PREREQUISITE--ENTOM. 301.
1 UNIT

02541	LECT	2-4	M		312	H H	CHADWICK
02541	LAB	1-5		W	312	H H	CHADWICK

ENTOM 426 SEMINAR IN ENTOMOLOGY.
PREREQUISITE--ENTOM. 302, CONSENT OF INSTRUCTOR.
1/4 TO 1 UNIT

02542	LECT	ARR	STAFF

ENTOM 499 THESIS--RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--

A--MORPHOLOGY AND EMBRYOLOGY OF INSECTS	CHADWICK, LARSEN, DECKER, HORSFALL, KEARNS
B--APPLIED ENTOMOLOGY	DOWNES, ROSS, SELANDER
C--SYSTEMATIC ENTOMOLOGY	HORSFALL
D--BIOLOGY AND ECOLOGY OF INSECTS	CHADWICK, FRAENKEL, KEARNS, LARSEN STERNBURG, WALDBAUER
E--INSECT PHYSIOLOGY & TOXICOLOGY	

02543	LAB	ARR

FINANCE

DEPARTMENT OFFICE 311 D K H

REQUIREMENTS FOR L. A. S. STUDENTS

MAJOR--TWENTY HOURS IN FINANCE. A FINANCE MAJOR WHO CHOOSES ECONOMICS AS A MINOR MUST INCLUDE ALSO TWELVE HOURS IN A SECOND MINOR.

ECON. 108 OR ECON. 102 AND 103, ARE FUNDAMENTAL COURSES IN ECONOMICS AND ARE PREREQUISITES FOR COURSES IN FINANCE. STUDENTS WHO EXPECT TO DO ADVANCED WORK IN FINANCE SHOULD TAKE ECON. 108, OR ECON. 102 AND 103, IN THEIR SOPHOMORE YEAR. LIBERAL ARTS MAJORS IN FINANCE ARE ADVISED STRONGLY TO ELECT ACCY. 201 AND A COURSE IN STATISTICS.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, GEOLOGY, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY. THE CURRICULUM IN LATIN-AMERICAN STUDIES IS ACCEPTED AS A MINOR.

COURSES FOR ADVANCED UNDERGRADUATES

FIN 250 MONEY, CREDIT, AND BANKING.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS
•REGISTRATION IN SECTION &G1 LIMITED TO JAMES SCHOLARS AND OTHER HONOR STUDENTS.

02544	LECT-DISC	B	9	M W F	28	COM W			HEINS
02545	LECT-DISC	D	11	M W F	123	D K H			PATTERSON
02546	LECT-DISC	X	12	M W F	123	D K H			PATTERSON
02547	LECT-DISC	E1	1	M W F	123	D K H			
02548	LECT-DISC	E2	1	M W F	420	D K H			
02549	LECT-DISC	F	2	M W F	123	D K H			JEAN
02556	LECT-DISC	•&G1	3	M W F	123	D K H			ARLT
02550	LECT-DISC	G2	3	M W F	28	COM W			LEONARD
02551	LECT-DISC	H1	4	M W F	123	D K H			LEONARD
02552	LECT-DISC	H2	4	M W F	420	D K H			JEAN
02553	LECT-DISC	H3	4	M W F	28	COM W			
02554	LECT-DISC	J	8	TU TH S	420	D K H			PIKE
02555	LECT-DISC	L	10	TU TH S	123	D K H			PIKE

FIN 254 BUSINESS FINANCE.
PREREQUISITE--ECON. 102 AND 103, OR 108, ACCY. 105 OR 201.
3 HOURS
•STUDENTS IN LECTURE 2 MAY NOT ELECT DISCUSSION K. AND STUDENTS IN LECTURE 1 MAY NOT ELECT DISCUSSION J.

02568	LECT	•1	8	TU TH	114	D K H			VAN ARSDELL
02569	LECT	•2	9	TU TH	114	D K H			VAN ARSDELL
02557	LECT-DISC	J	8	TU TH	123	D K H			WEXLER
02558	LECT-DISC	K	9	TU TH	123	D K H			PATTERSON
02559	LECT-DISC	C	10	W F	123	D K H			LEONARD
02560	LECT-DISC	M	11	TU TH	123	D K H			PATTERSON
02561	LECT-DISC	N1	1	TU TH	123	D K H			PIKE
02562	LECT-DISC	N2	1	TU TH	28	COM W			WEXLER
02563	LECT-DISC	O1	2	TU TH	123	D K H			PIKE
02564	LECT-DISC	O2	2	TU TH	28	COM W			LEONARD
02565	LECT-DISC	O3	2	TU TH	420	D K H			
02566	LECT-DISC	P1	3	TU TH	123	D K H			MAYER
02567	LECT-DISC	P2	3	TU TH	28	COM W			

FIN 255 FINANCING CORPORATE CONSOLIDATION AND REORGANIZATION.
PREREQUISITE--FIN. 254.
3 HOURS

02570	LECT-DISC	C	10	M W F	28	COM W			OSBORN

FIN 257 CORPORATION FINANCE.
FOR NON-COMMERCE STUDENTS ONLY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

02571	LECT-DISC	A	8	M W F	28	COM W			OSBORN

FIN 258 THE MONEY MARKET AND AMERICAN FINANCIAL INSTITUTIONS.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

02572	LECT-DISC	F	2	M W F	420	D K H			ARLT

FIN 259 INVESTMENT.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

02573	LECT		11	M	141	COM W			MAYER
02574	LECT-DISC	A	8	W F	420	D K H			JEAN
02575	LECT-DISC	D	11	W F	420	D K H			JEAN
02576	LECT-DISC	K	9	TU TH	420	D K H			SWANSON
02577	LECT-DISC	P	3	TU TH	420	D K H			SWANSON

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FIN   260     ECONOMICS OF INSURANCE.
         PREREQUISITE--ECON. 102 AND 103, OR 108.
         3 HOURS
      02578    LECT-DISC  B        9        M  W  F   123  D K H          HEDGES
      02579    LECT-DISC  C       11        M  W  F    28  COM W
      02580    LECT-DISC  G        3        M  W  F   420  D K H          CAMMACK
      02581    LECT-DISC  K        9         TU TH     28  COM W          CAMMACK
                          K       10            TH     28  COM W


FIN   262     LIFE INSURANCE.
         PREREQUISITE--ECON 102 AND 103, OR 108.
         3 HOURS
      02582    LECT-DISC  B        9        M  W  F   420  D K H          CAMMACK


FIN   264     INTRODUCTION TO URBAN REAL ESTATE AND LAND ECONOMICS.
         PREREQUISITE--ECON. 102 AND 103, OR 108.
         3 HOURS
      02583    LECT               10           W  F   420  D K H
      02584    LECT-DISC  C       10        M         420  D K H
      02585    LECT-DISC  L       10         TU        28  COM W


FIN   266     REAL ESTATE DEVELOPMENT AND FINANCING.
         PREREQUISITE--FIN. 264.
         3 HOURS
      02586    LECT-DISC  F        2        M  W  F    28  COM W


FIN   290     HONORS COURSE.
         2 TO 4 HOURS
      02587    CONF       &     ARR                                        HEDGES


FIN   294     SENIOR SEMINAR IN FINANCE, I.
         PREREQUISITE--SENIOR STANDING, CONSENT OF DEPARTMENTAL ADVISOR.
         *TEN SEMESTER HOURS IN THIS DEPARTMENT OR SIXTEEN SEMESTER HOURS
         DIVIDED BETWEEN THIS AND ANY OTHER DEPARTMENT MAY BE ACCUMULATED
         *3 TO 5 HOURS
      02588    LECT-DISC  &QT     4-6        TU        96  COM W          HEDGES, MEHR


                    COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES


FIN   340     CONSUMER FINANCE.
         PREREQUISITE--ECON. 102 OR 108, FIN. 250 AND 254, OR CONSENT OF
         INSTRUCTOR.
         3 HOURS, OR 1/2 TO 1 UNIT
      02589    LECT-DISC  A        8        M  W  F   123  D K H


FIN   360     GROUP INSURANCE AND PENSIONS.
              SAME AS L.I.R. 360.
         PREREQUISITE--FIN. 260, ECON. 240, OR MGMT. 248.
         3 HOURS, OR 1/2 TO 1 UNIT
      02590    LECT-DISC  L       10         TU TH     96  COM W          MEHR
                          L       11         TU        96  COM W


FIN   368     SURVEY OF URBAN REAL ESTATE.
         PREREQUISITE--SIX HOURS OF ECONOMICS OR CONSENT OF INSTRUCTOR.
         3 HOURS, OR 1/2 TO 1 UNIT
      02591    LECT-DISC  B        9        M  W  F    96  COM W


FIN   370     RISKS AND RISK MANAGEMENT.
         PREREQUISITE--ONE OF THE FOLLOWING--ACCY. 105 OR 201 OR FIN. 254
         OR 257, ECON. 102 AND 103, OR 108.
         3 HOURS, OR 1/2 TO 1 UNIT
      02592    LECT-DISC  E        1        M  W  F    28  COM W          HEDGES
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FIN 420 CENTRAL BANKING POLICY.
1 UNIT
02593 LECT-DISC OTH 2-4 TH 96 COM W ARLT

FIN 427 COMMERCIAL BANK MANAGEMENT.
PREREQUISITE--FIN. 250.
1 UNIT
02594 LECT-DISC OTU 2-4 TU 96 COM W HEINS

FIN 454 CORPORATION FINANCE.
PREREQUISITE--FIN. 254.
1 UNIT
02595 LECT-DISC FF 2-4 F 96 COM W VAN ARSDELL

FIN 456 INVESTMENT.
1 UNIT
02596 LECT-DISC LT 10-12 TU 317A D K H MAYER

FIN 458 EVOLUTION OF THE CONCEPT OF THE BUSINESS CORPORATION.
PREREQUISITE--A COURSE IN PRINCIPLES OF ECONOMICS, CONSENT OF INSTRUCTOR.
1 UNIT
02597 LECT-DISC FW 2-4 W 96 COM W OSBORN

FIN 490 INDIVIDUAL STUDY AND RESEARCH.
1/2 TO 1 UNIT
02598 CONF ARR MAYER

FIN 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
02599 LECT-DISC OTH 4-6 TH 240 COM W MAYER, MEHR
02600 LECT-DISC HW 4-6 W 240 COM W

FOOD SCIENCE
INCLUDING DAIRY TECHNOLOGY

FOOD SCIENCE
DEPARTMENT OFFICE 213 M H

COURSES FOR ADVANCED UNDERGRADUATES

F S 201 PRINCIPLES OF FOOD AND DAIRY PRODUCT PROCESSING.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 132 OR 133.
3 HOURS
02601 LECT-DISC 9 M W F 203 D M B STEINBERG AND TUCKEY

F S 260 RAW MATERIALS FOR PROCESSING.
PREREQUISITE--BOT 100 OR EQUIVALENT.
FIELD TRIPS.
4 HOURS
02602 LECT 8 TU TH S WING H F L NELSON
02602 LAB 9-11 TU TH S WING H F L

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

F S 301 FOOD PROCESSING.
PREREQUISITE--F. S. 201, OR EQUIVALENT.
FIELD TRIPS.
4 HOURS, OR 1 UNIT
02603 LECT 11 TU 405 M H NELSON
02603 LAB 1-5 TU TH S WING H F L

F S 391 SPECIAL TOPICS IN FOOD SCIENCE, I - CHEMISTRY OF LIPIDS IN FOODS.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 350, OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT
02604 LECT 10 TU TH B R L PERKINS

F S 393 SPECIAL TOPICS IN FOOD SCIENCE, II - EXPERIMENTS IN LIPID CHEMISTRY.
PREREQUISITE--CREDIT OR REGISTRATION IN F. S. 391.
3 HOURS, OR 1/2 UNIT
02605 LAB 1-5 M F B R L ARGOUDELIS

COURSES FOR GRADUATES

F S 421 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS IN FOOD SCIENCE.
1/2 UNIT
02606 DISC 11 TH 316S M H STAFF

F S 430 CARBOHYDRATES IN FOODS.
SAME AS H. EC. 430.
PREREQUISITE--CHEM. 350 OR 354 AND 355 OR CONSENT OF INSTRUCTOR.
3/4 UNIT
02607 LECT 8 M W F 449 BEV HALL

F S 481 ADVANCED STUDIES IN FOOD SCIENCE.
1/2 TO 2 UNITS
02608 DISC ARR STAFF

F S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
02609 DISC ARR STAFF

DAIRY TECHNOLOGY

OFFICE 104 D M B

COURSES FOR ADVANCED UNDERGRADUATES

D T 200 SPECIAL PROBLEMS IN DAIRY TECHNOLOGY.
PREREQUISITE--MINIMUM GRADE-POINT AVERAGE OF 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.
3 TO 5 HOURS
02610 CONF ARR STAFF

D T 211 BACTERIOLOGICAL CONTROL OF DAIRY PLANTS.
PREREQUISITE--MCBIO. 100 AND 101.
4 HOURS
02611 LECT 11 M W F 203 D M B
02611 LAB 1-3 TU TH 558 BEV HALL WITTER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ALL STUDENTS SPECIALIZING IN DAIRY TECHNOLOGY ARE EXPECTED TO TAKE AN INSPECTION TRIP EITHER IN THE JUNIOR OR SENIOR YEAR. THIS TRIP COSTS THE STUDENT ABOUT $20.

D T 311 DAIRY PRODUCT PROCESSING, II.
PREREQUISITE--D T 211 AND 213.
4 HOURS, OR 1 UNIT

02612	LECT	4	M W F	203	D M B	TUCKEY
02612	LAB	8-11	TU TH	208	D M B	

D T 317 THE CHEMISTRY OF MILK AND MILK PRODUCTS.
PREREQUISITE--CHEM 133 AND EITHER D T 213 OR CHEM 122.
3 HOURS, OR 3/4 UNIT

02613	LECT	11	TU TH	203	D M B	WHITNEY
02613	LAB	1-3	F	208	D M B	

COURSES FOR GRADUATES

D T 404 SEMINAR.
PREREQUISITE--GRADUATE STANDING IN DAIRY TECHNOLOGY.
*STUDENTS MAY ACCUMULATE ONE UNIT.
*0 TO 1/2 UNIT

02614	DISC	ARR	STAFF

D T 491 ASSIGNED PROBLEMS IN DAIRY TECHNOLOGY.
PREREQUISITE--GRADUATE STANDING IN DAIRY TECHNOLOGY.
1/2 TO 2 UNITS

02615	DISC	ARR	STAFF

D T 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

02616	DISC	ARR	STAFF

FORESTRY

DEPARTMENT OFFICE 219 M H

COURSES FOR UNDERGRADUATES

FOR 100 FARM FORESTRY.
PREREQUISITE--ENROLLMENT IN COLLEGE OF AGRICULTURE, COLLEGE OF EDUCATION, OR CONSENT OF INSTRUCTOR.
3 HOURS

02617	LECT-DISC	1	TU TH	320	M H	RENNELS
02617	LAB-DISC	2-5	TU	406	M H	

FOR 101 GENERAL FORESTRY.
PREREQUISITE--ENROLLMENT IN A FORESTRY CURRICULUM OR SOPHOMORE STANDING.
3 HOURS

02619	LECT-DISC	9	M W F	201	AGR ENG	SPAETH

FOR 111 DENDROLOGY.
PREREQUISITE--BOT. 100.
4 HOURS

02620	LECT-DISC		10	M W	103	FLOR	LORENZ
02621	LAB-DISC	A	1-5	M	442	M H	
02622	LAB-DISC	B	1-5	TU	442	M H	

COURSES FOR ADVANCED UNDERGRADUATES

THE FORESTRY COURSES FOR ADVANCED UNDERGRADUATES ARE DESIGNED PRIMARILY FOR STUDENTS WHO ARE CANDIDATES FOR THE PROFESSIONAL DEGREE OF BACHELOR OF SCIENCE IN FORESTRY IN EITHER THE FOREST PRODUCTION OR WOOD TECHNOLOGY AND UTILIZATION CURRICULUM. OTHER STUDENTS ARE ADMITTED TO MOST OF THESE COURSES, HOWEVER, IF THEY HAVE THE PREREQUISITES OR THE CONSENT OF THE INSTRUCTOR.

FOR 212 FOUNDATIONS OF SILVICULTURE.
PREREQUISITE--FOR. 211.
4 HOURS

02623	LECT-DISC	8	M	W	F	144	BEV HALL	BOGGESS
02623	LAB-DISC	1-4		W		406	M H	

FOR 213 SILVICULTURE.
PREREQUISITE--FOR. 212. TWO WEEK FIELD TRIP WITH FOR. 215 TO SOUTHEASTERN STATES, ESTIMATED EXPENSE $65.
4 HOURS

02624	LECT-DISC	10	M	W		406	M H	BOGGESS
		1			F	406	M H	
02624	LAB-DISC	2-5			F	406	M H	

FOR 222 ADVANCED FOREST MENSURATION.
PREREQUISITE--FOR. 221.
3 HOURS

02625	LECT-DISC	9	TU	TH		320	M H	
02625	LAB-DISC	1-4			F	442	M H	

FOR 241 FOUNDATIONS OF AMERICAN FOREST MANAGEMENT.
PREREQUISITE--FOR. 222.
3 HOURS

02626	LECT-DISC	10	TU	TH		406	M H	
02626	LAB-DISC	1-4		W		442	M H	

FOR 251 FOREST ECONOMICS, I.
PREREQUISITE--CREDIT OR REGISTRATION IN ECON. 108 AND FOR. 241.
3 HOURS

02627	LECT-DISC	11	M	WTH		442	M H	HOLLAND

FOR 261 FOREST FIRE CONTROL AND USE.
2 HOURS

02628	LECT-DISC	11	TU			442	M H	
		9		TH		442	M H	

FOR 262 CONTROL OF FOREST PESTS AND HAZARDS.
3 HOURS

02629	LECT-DISC	8	TU	TH		442	M H	RENNELS
02629	LAB-DISC	3-5		TH		W121	T H	

FOR 275 SEMINAR IN WOOD SCIENCE.
PREREQUISITE--JUNIOR OR SENIOR STANDING IN THE WOOD TECHNOLOGY AND UTILIZATION CURRICULUM.
2 HOURS

02630	CONF	9	TU	TH		313	M H	WALTERS, GUIHER, PETERSON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

FOR 315 FOREST SOILS.
PREREQUISITE--AGRON. 101 AND FOR. 212, OR GRADUATE STANDING IN BOTANY WITH BOT. 381 OR EQUIVALENT.
TWO-WEEK FIELD TRIP WITH FOR. 213 TO SOUTHEASTERN STATES. ESTIMATED COST, $65. GRADUATE STUDENTS ARE REQUIRED TO ATTEND A SPECIAL SEMINAR.
2 HOURS OR 1/2 UNIT

02631	LECT-DISC	8		TH		282	BEV HALL	BOGGESS
02631	LAB-DISC	8-10	TU			282	BEV HALL	

FOR 400 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS IN FORESTRY.
*STUDENTS MAY ACCUMULATE 1/2 UNIT.
*1/4 UNIT
02632 CONF 4 W 406 M H STAFF

FOR 401 SPECIAL PROBLEMS.
*NOT MORE THAN ONE UNIT MAY BE OFFERED TOWARD AN M.S. DEGREE.
*1/2 OR 1 UNIT
02633 CONF ARR GRADUATE STAFF

FOR 499 THESIS RESEARCH.
1 TO 3 UNITS
02634 CONF ARR GRADUATE STAFF

FRENCH

DEPARTMENT OFFICE 244 L H

MAJOR--TWENTY HOURS IN FRENCH, EXCLUDING FRENCH 101, 102, 103, 104, 113, AND INCLUDING FR. 201, 202, 211, 212 AND AT LEAST EIGHT HOURS FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. STUDENTS ARE ALSO STRONGLY ADVISED TO TAKE A YEARS WORK--TWO COURSES IN EUROPEAN HISTORY AND A YEARS WORK--TWO COURSES--IN ENGLISH LITERATURE. COURSES PARTICULARLY SUITABLE FOR THIS PURPOSE ARE--HIST. 111-112, 309-310, 311-312, 313-314, 323-324. ENGL. 101, 102, 103, 105, 106, 121, 122, 123, 131, 231, 232, 245, 246, 251, 252, 253, 257, 258, 263, 264, 281, 282, 283, 284, HUMAN. 363, 364.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH SUBJECT IF TWO ARE CHOSEN--EDUCATION, ENGLISH--EXCLUDING RHET. 101 AND 102--GERMAN, GREEK, HISTORY, ITALIAN, LATIN, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, AND SPANISH.

SEQUENCE OF COURSES--STUDENTS WITH NO PREVIOUS CREDIT IN FRENCH REGISTER IN FRENCH 101. STUDENTS WITH NO CREDIT IN FRENCH AT THE UNIVERSITY OF ILLINOIS BUT WHO HAVE CREDIT IN FRENCH FROM HIGH SCHOOL OR ANOTHER COLLEGE MUST REGISTER IN STARRED SECTIONS AS FOLLOWS--STUDENTS WITH ONE YEAR OF HIGH SCHOOL FRENCH OR ONE SEMESTER OF COLLEGE FRENCH REGISTER IN FRENCH *102- TWO YEARS OF HIGH SCHOOL FRENCH OR TWO SEMESTERS OF COLLEGE FRENCH IN FRENCH *103- THREE YEARS OF HIGH SCHOOL FRENCH OR THREE SEMESTERS OF COLLEGE FRENCH IN FRENCH *104. STUDENTS WITH FOUR YEARS OF HIGH SCHOOL FRENCH OR FOUR SEMESTERS OF COLLEGE FRENCH TAKEN ELSEWHERE MAY REGISTER IN THE 200-LEVEL COURSES, PROVIDED THAT REGISTRATION IN FRENCH 211 IS IN A STARRED SECTION.

PLACEMENT TESTS--STUDENTS WITH NO FRENCH CREDIT AT THE UNIVERSITY OF ILLINOIS WHO ARE REGISTERED IN THE STARRED SECTIONS OF FRENCH 102, 103, 104, AND 211 MAY PROGRESS TO A REGULAR SECTION OF THE SAME COURSE BY PASSING A PLACEMENT TEST TO BE GIVEN IN THE SECOND WEEK OF INSTRUCTION.

FR 101 ELEMENTARY COURSE, I.
FOR STUDENTS WHO HAVE NO CREDIT IN FRENCH.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR FR. 101 WITHOUT FR. 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202-204 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TH. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7P.M. 8P.M. F. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5. S. 9, 10, 11.

02635	LECT-DISC	A1	8	TUWTHF	216	L H
02636	LECT-DISC	A2	8	TUWTHF	331	ARMORY
02637	LECT-DISC	A3	8	TUWTHF	330	ARMORY
02638	LECT-DISC	B1	9	TUWTHF	331	ARMORY
02639	LECT-DISC	B2	9	TUWTHF	330	ARMORY
02640	LECT-DISC	B3	9	TUWTHF	252	ADMIN
02641	LECT-DISC	B4	9	TUWTHF	302	L H
02642	LECT-DISC	C1	10	TUWTHF	331	ARMORY
02643	LECT-DISC	C2	10	TUWTHF	330	ARMORY
02644	LECT-DISC	C3	10	TUWTHF	252	ADMIN
02645	LECT-DISC	C4	10	TUWTHF	302	L H
02646	LECT-DISC	D1	11	TUWTHF	331	ARMORY
02647	LECT-DISC	D2	11	TUWTHF	330	ARMORY
02648	LECT-DISC	D3	11	TUWTHF	252	ADMIN
02649	LECT-DISC	D4	11	TUWTHF	302	L H
02650	LECT-DISC	X1	12	MTUWTH	216	L H
02651	LECT-DISC	X2	12	MTUWTH	331	ARMORY
02652	LECT-DISC	X3	12	MTUWTH	330	ARMORY
02653	LECT-DISC	E1	1	MTUWTH	330	ARMORY
02654	LECT-DISC	E2	1	MTUWTH	331	ARMORY
02655	LECT-DISC	E3	1	MTUWTH	302	L H
02656	LECT-DISC	F1	2	MTUWTH	302	L H
02657	LECT-DISC	F2	2	MTUWTH	331	ARMORY
02658	LECT-DISC	F3	2	MTUWTH	330	ARMORY
02659	LECT-DISC	F4	2	MTUWTH	252	ADMIN
02660	LECT-DISC	G1	3	MTUWTH	252	ADMIN
02661	LECT-DISC	G2	3	MTUWTH	331	ARMORY
02662	LECT-DISC	G3	3	MTUWTH	330	ARMORY
02663	LECT-DISC	H1	4	MTUWTH	330	ARMORY
02664	LECT-DISC	H2	4	MTUWTH	331	ARMORY
02665	LECT-DISC	H3	4	MTUWTH	252	ADMIN

FR 102 ELEMENTARY COURSE, II.
PREREQUISITE--FR. 101 OR ONE YEAR OF HIGH SCHOOL FRENCH.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202-204 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--M. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7PM, 8PM.
*REGISTRATION IN SECTIONS MEETING FOUR TIMES WEEKLY IS RESTRICTED TO STUDENTS WHO COMPLETE FRENCH 101 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF C OR HIGHER. ALL OTHER STUDENTS REGISTER IN THE STARRED SECTIONS MEETING FIVE TIMES WEEKLY.

02666	LECT-DISC	A	8	TUWTHF	325	G H
02672	LECT-DISC	*B1	9	MTUWTHF	325	G H
02667	LECT-DISC	B2	9	TUWTHF	219	G H
02668	LECT-DISC	C	10	TUWTHF	219	G H
02673	LECT-DISC	*D1	11	MTUWTHF	219	G H
02669	LECT-DISC	D2	11	TUWTHF	325	G H
02674	LECT-DISC	*E1	1	MTUWTHF	325	G H
02670	LECT-DISC	E2	1	MTUWTH	219	G H
02671	LECT-DISC	F	2	MTUWTH	219	G H

FR 103 MODERN FRENCH, I.
PREREQUISITE--FR. 102 OR TWO YEARS OF HIGH SCHOOL FRENCH.
4 HOURS
*REGISTRATION IN SECTIONS MEETING FOUR TIMES WEEKLY IS RESTRICTED TO STUDENTS COMPLETING FRENCH 102 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF C OR HIGHER. ALL OTHER STUDENTS REGISTER IN STARRED SECTIONS MEETING FIVE TIMES WEEKLY.
*SECTION &C3 IS OPEN ONLY TO JAMES SCHOLARS AND TO STUDENTS WITH A GRADE OF A IN FRENCH 102.

02694	LECT-DISC	*A1	8	MTUWTHF	262	L H
02695	LECT-DISC	*A2	8	MTUWTHF	390	L H
02696	LECT-DISC	*A3	8	MTUWTHF	374	L H
02675	LECT-DISC	A4	8	TUWTHF	3	G H
02676	LECT-DISC	A5	8	TUWTHF	252	ADMIN
02697	LECT-DISC	*B1	9	MTUWTHF	262	L H
02698	LECT-DISC	*B2	9	MTUWTHF	390	L H
02699	LECT-DISC	*B3	9	MTUWTHF	374	L H
02677	LECT-DISC	B4	9	TUWTHF	3	G H
02678	LECT-DISC	B5	9	TUWTHF	113	D K H
02679	LECT-DISC	B6	9	TUWTHF	392	L H
02700	LECT-DISC	*C1	10	MTUWTHF	262	L H
02701	LECT-DISC	*C2	10	MTUWTHF	390	L H
02693	LECT-DISC	*&C3	10	TUWTHF	374	L H
02680	LECT-DISC	C4	10	TUWTHF	3	G H
02681	LECT-DISC	C5	10	TUWTHF	113	D K H
02702	LECT-DISC	*D1	11	MTUWTHF	262	L H
02703	LECT-DISC	*D2	11	MTUWTHF	390	L H
02704	LECT-DISC	*D3	11	MTUWTHF	374	L H
02682	LECT-DISC	D4	11	TUWTHF	3	G H
02683	LECT-DISC	D5	11	TUWTHF	113	D K H
02705	LECT-DISC	*X1	12	MTUWTHF	262	L H
02706	LECT-DISC	*X2	12	MTUWTHF	390	L H
02684	LECT-DISC	X3	12	MTUWTH	374	L H
02685	LECT-DISC	X4	12	MTUWTH	3	G H
02707	LECT-DISC	*E1	1	MTUWTHF	262	L H
02708	LECT-DISC	*E2	1	MTUWTHF	390	L H
02686	LECT-DISC	E3	1	MTUWTH	374	L H
02687	LECT-DISC	E4	1	MTUWTH	3	G H
02688	LECT-DISC	E5	1	MTUWTH	252	ADMIN
02709	LECT-DISC	*F1	2	MTUWTHF	216	L H
02710	LECT-DISC	*F2	2	MTUWTHF	262	L H
02689	LECT-DISC	F3	2	MTUWTH	390	L H
02690	LECT-DISC	F4	2	MTUWTH	374	L H
02711	LECT-DISC	*G1	3	MTUWTHF	262	L H
02712	LECT-DISC	*G2	3	MTUWTHF	390	L H
02691	LECT-DISC	G3	3	MTUWTH	374	L H
02692	LECT-DISC	H	4	MTUWTH	262	L H

FR 104 MODERN FRENCH, II.
PREREQUISITE--FR. 103 OR THREE YEARS OF HIGH SCHOOL FRENCH.
4 HOURS
*REGISTRATION IN SECTIONS MEETING FOUR TIMES WEEKLY IS RESTRICTED TO STUDENTS COMPLETING FRENCH 103 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF C OR HIGHER. ALL OTHER STUDENTS REGISTER IN STARRED SECTIONS MEETING FIVE TIMES WEEKLY.

02713	LECT-DISC	A	8	TUWTHF	302	L H
02714	LECT-DISC	B	9	TUWTHF	207	G H
02722	LECT-DISC	*C1	10	MTUWTHF	207	G H
02723	LECT-DISC	*C2	10	MTUWTHF	325	G H
02715	LECT-DISC	C3	10	TUWTHF	392	L H
02716	LECT-DISC	D1	11	TUWTHF	207	G H
02717	LECT-DISC	D2	11	TUWTHF	392	L H
02724	LECT-DISC	*X1	12	MTUWTHF	207	G H
02725	LECT-DISC	*X2	12	MTUWTHF	325	G H
02718	LECT-DISC	X3	12	MTUWTH	302	L H
02726	LECT-DISC	*E1	1	MTUWTHF	207	G H
02727	LECT-DISC	*E2	1	MTUWTHF	392	L H
02719	LECT-DISC	E3	1	MTUWTH	232	L H
02728	LECT-DISC	*F1	2	MTUWTHF	207	G H
02720	LECT-DISC	F2	2	MTUWTH	325	G H
02721	LECT-DISC	G	3	MTUWTH	207	G H

FR 113 CONVERSATIONAL PRACTICE.
PREREQUISITE--FR. 102 OR TWO YEARS OF HIGH SCHOOL FRENCH, CONCURRENT REGISTRATION IN FR. 103 OR 104.
1 HOUR

02729	LECT-DISC	B	9	M W	46	G H
02730	LECT-DISC	C	10	M W	46	G H
02731	LECT-DISC	E	1	M W	46	G H
02732	LECT-DISC	L	9	TU TH	46	G H
02733	LECT-DISC	N	11	TU TH	46	G H

FR 201 INTRODUCTION TO FRENCH LITERATURE, I.
PREREQUISITE--FR. 104 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
3 HOURS

02734	LECT-DISC	A	8	M	W	F	219	G	H
02735	LECT-DISC	C	10	M	W	F	232	L	H
02736	LECT-DISC	X	12	M	W	F	219	G	H
02737	LECT-DISC	F	2	M	W	F	232	L	H
02738	LECT-DISC	G	3	M	W	F	392	L	H

FR 202 INTRODUCTION TO FRENCH LITERATURE, II.
PREREQUISITE--FR. 104 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
3 HOURS

02739	LECT-DISC	C	10	M	W	F	242	L	H
02740	LECT-DISC	E	1	M	W	F	242	L	H

FR 211 ORAL FRENCH, I
PREREQUISITE--FR. 104, OR 103 AND 113, OR FOUR YEARS OF HIGH SCHOOL FRENCH. PRACTICE IN LANGUAGE LABORATORY IS REQUIRED.
3 HOURS
*REGISTRATION IN SECTIONS MEETING THREE TIMES WEEKLY IS RESTRICTED TO STUDENTS COMPLETING FRENCH 104 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF B OR HIGHER. ALL OTHER STUDENTS REGISTER IN STARRED SECTIONS MEETING FOUR HOURS WEEKLY.
*SECTION &F1 IS OPEN ONLY TO JAMES SCHOLARS AND TO STUDENTS WHO RECEIVED A GRADE OF A IN FRENCH 104.

02741	LECT-DISC	A	8	M	W	F	308	L	H
02752	LECT-DISC	*B1	9		TUWTHF		308	L	H
02742	LECT-DISC	B2	9	M	W	F	212	D K	H
02743	LECT-DISC	C1	10	M	W	F	308	L	H
02744	LECT-DISC	C2	10	M	W	F	212	D K	H
02753	LECT-DISC	*D1	11		TUWTHF		212	D K	H
02745	LECT-DISC	D2	11	M	W	F	308	L	H
02746	LECT-DISC	X1	12	M	W	F	308	L	H
02747	LECT-DISC	X2	12	M	W	F	46	G	H
02754	LECT-DISC	*E1	1	MTUWTH			212	D K	H
02748	LECT-DISC	E2	1	M	W	F	113	D K	H
02751	LECT-DISC	*&F1	2	M	W	F	46	G	H
02749	LECT-DISC	F2	2	M	W	F	212	D K	H
02750	LECT-DISC	G	3	M	W	F	242	L	H

FR 212 ORAL FRENCH, II
PREREQUISITE--FR. 211. WITH PERMISSION, FR. 212 MAY BE TAKEN WITH 211 IN THE SUMMER SESSION. PRACTICE IN LANGUAGE LABORATORY IS REQUIRED.
3 HOURS

02755	LECT-DISC	B	9	M	W	F	242	L	H
02756	LECT-DISC	D	11	M	W	F	46	G	H
02757	LECT-DISC	X	12	M	W	F	242	L	H
02758	LECT-DISC	F	2	M	W	F	242	L	H
02759	LECT-DISC	G	3	M	W	F	46	G	H

FR 213 COMPOSITION, I.
PREREQUISITE--FR. 104 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
2 HOURS

02760	LECT-DISC	B	9	TU	TH		212	D K	H
02761	LECT-DISC	C	10	TU	TH		212	D K	H
02762	LECT-DISC	D	11	TU	TH		242	L	H
02763	LECT-DISC	F	2	TU	TH		242	L	H

FR 214 COMPOSITION, II.
PREREQUISITE--FR. 213.
2 HOURS

02764	LECT-DISC	B	9	TU	TH		242	L	H
02765	LECT-DISC	F	2	TU	TH		46	G	H

FR 215 ADVANCED CONVERSATION, I.
PREREQUISITE--FR. 212.
2 HOURS

02766	LECT-DISC	A	8	TU	TH		46	G	H
02767	LECT-DISC	C	10	TU	TH		46	G	H
02768	LECT-DISC	E	1	TU	TH		46	G	H
02769	LECT-DISC	G	3	TU	TH		46	G	H

FR 216 ADVANCED CONVERSATION, II.
PREREQUISITE--FR. 215.
2 HOURS

02770	LECT-DISC	F	2	TU TH	212	D K H	

FR 291 THESIS AND HONORS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

02771	CONF	E	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ALL ADVANCED UNDERGRADUATE COURSES IN FRENCH EXCEPT FR. 382 HAVE THE FOLLOWING PREREQUISITE--FR. 201 AND 202 OR EQUIVALENT.

FR 309 SURVEY OF FRENCH LITERATURE, I.
3 HOURS, OR 3/4 OR 1 UNIT

02772	LECT-DISC		11	M W F	232	L H	

FR 317 LE THEATRE FRANCAIS DEPUIS 1800.
3 HOURS - 3/4 UNIT

02773	LECT-DISC		9	TU TH	232	L H	

FR 323 LITTERATURE DU DIX-SEPTIEME SIECLE, I.
3 HOURS, OR 3/4 UNIT

02774	LECT-DISC		1	TU TH	242	L H	

FR 335 CIVILISATION FRANCAISE, I.
3 HOURS - 3/4 UNIT

02775	LECT-DISC		9	M W F	232	L H	

COURSES FOR GRADUATES

FR 400 BEGINNING FRENCH FOR GRADUATE STUDENTS.
4 HOURS, NO GRADUATE CREDIT

02776	LECT-DISC	A1	8	TUWTHF	207	G H	
02777	LECT-DISC	A2	8	TUWTHF	232	L H	
02778	LECT-DISC	X1	12	MTUWTH	232	L H	
02779	LECT-DISC	X2	12	MTUWTH	392	L H	
02780	LECT-DISC	H1	4	MTUWTH	207	G H	
02781	LECT-DISC	H2	4	MTUWTH	392	L H	
02782	LECT-DISC	J1	5	MTUWTH	207	G H	
02783	LECT-DISC	J2	5	MTUWTH	232	L H	
02784	LECT-DISC	T	7PM	MTUWTH	262	L H	

FR 401 READING FRENCH FOR GRADUATE STUDENTS.
PREREQUISITE--FR. 400, OR FR. 101 AND 102, OR EQUIVALENT.
4 HOURS, NO GRADUATE CREDIT

02785	LECT-DISC	A	8	TUWTHF	392	L H	
02786	LECT-DISC	X	12	MTUWTH	113	D K H	
02787	LECT-DISC	H	4	MTUWTH	232	L H	
02788	LECT-DISC	J1	5	MTUWTH	392	L H	
02789	LECT-DISC	J2	5	MTUWTH	3	G H	

FR 405 TEACHING COLLEGE FRENCH.
NO CREDIT

02790	LECT-DISC		10	M	302	L H	MAINOUS

FR 407 ADVANCED FRENCH DICTION.
1/2 UNIT

02791	LECT-DISC	C	10	TU TH	242	L H	VIENS
02792	LECT-DISC	G	3	TU TH	242	L H	

FR 409 THE PHONETICS OF FRENCH.
1/2 UNIT

02793	LECT-DISC		11	TU TH	232	L H	KNUDSON

FR 425 EXPLICATION DE TEXTES, I.
PREREQUISITE--GRADUATE STANDING IN FRENCH.
1 UNIT
02794 LECT-DISC 4 M W 242 L H

FR 437 EIGHTEENTH CENTURY LITERATURE, I.
1 UNIT
02795 LECT-DISC 2 TU TH 232 L H

FR 447 NINETEENTH CENTURY LITERATURE TO 1850, I.
1 UNIT
02796 LECT-DISC 2 M W 3 G H

FR 459 SEMINAR IN MODERN FRENCH LITERATURE--1870-1935.
*STUDENTS MAY RECEIVE CREDIT MORE THAN ONCE.
*1 UNIT
02797 LECT-DISC 4-6 TH 425A LIB KOLB

FR 460 SEMINAR IN FRENCH LITERATURE.
*COURSE MAY BE REPEATED FOR CREDIT.
1 UNIT
02798 LECT-DISC 1 M W 425A LIB

FR 465 LA LITTERATURE CONTEMPORAINE, I.
1 UNIT
02799 LECT-DISC 3 M W 232 L H

FR 475 OLD FRENCH PHILOLOGY, I.
PREREQUISITE--GRADUATE STANDING IN FRENCH, PERMISSION OF INSTRUCTOR, ELEMENTARY KNOWLEDGE OF LATIN, READING KNOWLEDGE OF GERMAN.
1 OR 1 1/4 UNITS
02800 LECT-DISC 11 M W F 242 L H KNUDSON

FR 491 INDIVIDUAL TOPICS.
PREREQUISITE--GRADUATE STANDING WITH A MAJOR OR MINOR IN FRENCH.
1/4 TO 1 UNIT
02801 CONF ARR STAFF

FR 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
02802 CONF ARR STAFF

GENERAL EDUCATION

STUDENTS WHO ENTER THE GENERAL CURRICULUM IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES OR WHO ENTER OTHER SCHOOLS AND SUBSEQUENTLY TRANSFER TO THE COLLEGE ARE REQUIRED TO COMPLETE AT LEAST ONE APPROVED SEQUENCE IN EACH OF THESE AREAS--HUMANITIES, BIOLOGICAL SCIENCE, PHYSICAL SCIENCE, AND SOCIAL SCIENCE.

THE FOLLOWING REGULATIONS APPLY TO THE FOREGOING SEQUENCES--

1--STUDENTS MUST COMPLETE AT LEAST ONE OF THESE SEQUENCES DURING THE FIRST YEAR OF STUDY.

2--STUDENTS WITH SOPHOMORE STANDING MUST COMPLETE AT LEAST ONE ADDITIONAL SEQUENCE DURING THE SECOND YEAR.

3--SOME OF THE SEQUENCES ARE AT THE ADVANCED LEVEL AND REQUIRE AT LEAST JUNIOR STANDING. SUCH COURSES COUNT TOWARD ADVANCED HOURS REQUIRED FOR GRADUATION.

4--A STUDENT NEED NOT SATISFY A SEQUENCE IN THE AREA IN WHICH HIS MAJOR DEPARTMENT IS CLASSIFIED. FOR EXAMPLE, IF HIS MAJOR IS CHEMISTRY, THE STUDENT DOES NOT TAKE A GENERAL EDUCATION SEQUENCE IN PHYSICAL SCIENCE. IF HIS MAJOR IS ENGLISH, THEN NO OTHER SEQUENCE IS REQUIRED IN HUMANITIES. THE SAME IS TRUE FOR OTHER AREAS. CONSEQUENTLY, A FRESHMAN SHOULD ENROLL IN A SEQUENCE WHICH DOES NOT DUPLICATE HIS INTENDED MAJOR, AND FINAL DECISION ON THE MAJOR FIELD SHOULD BE MADE AT THE BEGINNING OF THE SOPHOMORE YEAR IF POSSIBLE.

5--IN SO FAR AS POSSIBLE, THE SEQUENCES SHOULD BE CHOSEN FROM COURSES APPROVED BY THE COLLEGE. AUTHORITY FOR SUBSTITUTIONS IN THE SEQUENCE REQUIREMENTS MUST BE OBTAINED FROM ONE OF THE DEANS. THE FOLLOWING HAVE BEEN APPROVED.

BIOLOGICAL SCIENCE

D G S 131, 132
PHYSL 103 OR 203, PSYCH 103
OR 8 HOURS IN ANY TWO OF THE FOLLOWING--

BOT 100	PHYSL 103 OR 203
ENTOM 103	ZOOL 104
MCBIO 100 AND 101	

HUMANITIES

A SIX HOUR SEQUENCE IN ONE FOREIGN LITERATURE AT THE 200 AND 300 LEVEL--NOT LANGUAGE COURSES.

ART 111, 112, PLUS EITHER A 300 COURSE IN HISTORY OF ART OR PHIL 323	HIST 131, 132
CLCIV 301, 302	HIST 323, 324
D G S 161, 162	HUMAN 151, 152
ENGL 101, 102, 103	HUMAN 211, 212
ENGL 105, 106	HUMAN 363, 364
ENGL 121, 122, 123	MUSIC 130, 131 PLUS
ENGL 251, 252, 253, 287	EITHER 312 OR 313
ANY TWO OR THREE OF THE FOUR COURSES, 6 OR 9 HOURS--	PHIL 101, 102, 105
	PHIL 303, 306
ENGL 338, 339, 340--ANY TWO OR ALL THREE COURSES, 6 OR 9 HOURS--	RUSS 309, 310--6 HOURS--
	SPEECH 177, 178

PHYSICAL SCIENCE

ASTR 101, 102	GEOG 101, 111
	GEOL 101, 102
CHEM, ANY 8 HOURS	MATH 118, 119 OR ANY 8 HOURS
D G S 141, 142	PHYCS, ANY 8 HOURS

SOCIAL SCIENCE

ANTH 102, 103	HIST 151, 152
D G S 121, 122	HIST 260, 261, 262
D G S 151, 152	PHIL 103, 104
D G S 171, 172	POL S 191, 192
ECON 108, 210	PSYCH 100, 101
ECON 108, 218	SOC 100, 243
GEOG 101, 104	SOC 104, 105
HIST 111, 112	

A STUDENT MAY NOT USE MORE THAN ONE SEQUENCE FROM ANY ONE DEPARTMENT TO SATISFY THE GENERAL EDUCATION REQUIREMENTS.

A STUDENT MAY NOT USE MORE THAN ONE SIX-HOUR OR SEVEN-HOUR SEQUENCE TO SATISFY THE GENERAL EDUCATION REQUIREMENTS.

ANY STUDENT WHO HAS COMPLETED THE SIX COURSES PRESCRIBED BY THE DIVISION OF GENERAL STUDIES HAS SATISFIED ALL THE GENERAL EDUCATION SEQUENCE REQUIREMENTS IN THE SCIENCES AND LETTERS CURRICULUM.

GENERAL ENGINEERING

DEPARTMENT OFFICE 117 T B

COURSES FOR UNDERGRADUATES

G E 100 ENGINEERING LECTURE.
REQUIRED OF FRESHMEN IN THE COLLEGE OF ENGINEERING.
NO CREDIT

02803	LECT	E	9	TH	AUDITORIUM			
02804	LECT	F	10	TH	AUDITORIUM			

G E 101 ENGINEERING GRAPHICAL COMMUNICATION.
PREREQUISITE--PLANE GEOMETRY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02805	LAB-DISC	A11	8-10	M W F	114	T B		HALL AND OTHERS
02806	LAB-DISC	D10	3-5	M W F	113	T B		
02807	LAB-DISC	G2	1-4	TU TH	303	T B		

G E 102 ENGINEERING GEOMETRY.
PREREQUISITE--G E 101.
3 HOURS

02808	LAB-DISC	A10	8-10	M W F	113	T B		LARSON AND
02809	LAB-DISC	B5	10-12	M W F	308	T B		OTHERS

G E 103 ENGINEERING GRAPHICS, I.
3 HOURS
*HONORS SECTION &G1 IS OPEN ONLY TO THOSE STUDENTS SELECTED BY THE DEPARTMENT.

02810	LAB-DISC	A1	8-10	M W F	302	T B		HALL AND OTHERS
02811	LAB-DISC	A2	8-10	M W F	303	T B		
02812	LAB-DISC	A6	8-10	M W F	316	T B		
02813	LAB-DISC	A7	8-10	M W F	201	T B		
02814	LAB-DISC	A9	8-10	M W F	216	T B		
02815	LAB-DISC	B1	10-12	M W F	302	T B		
02816	LAB-DISC	B2	10-12	M W F	303	T B		
02817	LAB-DISC	B6	10-12	M W F	316	T B		
02818	LAB-DISC	B7	10-12	M W F	201	T B		
02819	LAB-DISC	B9	10-12	M W F	216	T B		
02820	LAB-DISC	B10	10-12	M W F	113	T B		
02821	LAB-DISC	C1	1-3	M W F	302	T B		
02822	LAB-DISC	C2	1-3	M W F	303	T B		
02823	LAB-DISC	C3	1-3	M W F	305	T B		
02824	LAB-DISC	C6	1-3	M W F	316	T B		
02825	LAB-DISC	C7	1-3	M W F	201	T B		
02826	LAB-DISC	C10	1-3	M W F	113	T B		
02827	LAB-DISC	D1	3-5	M W F	302	T B		
02828	LAB-DISC	D2	3-5	M W F	303	T B		
02829	LAB-DISC	D3	3-5	M W F	305	T B		
02830	LAB-DISC	D4	3-5	M W F	306	T B		
02831	LAB-DISC	D5	3-5	M W F	308	T B		
02832	LAB-DISC	D6	3-5	M W F	316	T B		
02833	LAB-DISC	E1	8-10	TU TH S	302	T B		
02834	LAB-DISC	E2	8-10	TU TH S	303	T B		
02835	LAB-DISC	E3	8-10	TU TH S	305	T B		
02836	LAB-DISC	E6	8-10	TU TH S	316	T B		
02837	LAB-DISC	E10	8-10	TU TH S	113	T B		
02838	LAB-DISC	E11	8-10	TU TH S	114	T B		
02839	LAB-DISC	F1	10-12	TU TH S	302	T B		
02840	LAB-DISC	F2	10-12	TU TH S	303	T B		
02841	LAB-DISC	F3	10-12	TU TH S	305	T B		
02842	LAB-DISC	F7	10-12	TU TH S	201	T B		
02843	LAB-DISC	F9	10-12	TU TH S	216	T B		
02844	LAB-DISC	F11	10-12	TU TH S	114	T B		
02845	LAB-DISC	*&G1	1-4	TU TH	302	T B		

G E 104 ENGINEERING GRAPHICS, II.
PREREQUISITE--G.E. 103 OR EQUIVALENT.
3 HOURS

02846	LAB-DISC	A5	8-10	M	W	F	308	T	B	HIPSKIND AND
02847	LAB-DISC	B3	10-12	M	W	F	305	T	B	OTHERS
02848	LAB-DISC	C9	1-3	M	W	F	216	T	B	
02849	LAB-DISC	D11	3-5	M	W	F	114	T	B	

G E 107 GEOMETRY FOR ARCHITECTS.
PREREQUISITE--PLANE GEOMETRY.
2 HOURS

02850	LAB-DISC	A8	8-10	M	W	F	207	T	B	SHICK, WILSON,
02851	LAB-DISC	B8	10-12	M	W	F	207	T	B	AND OTHERS
02852	LAB-DISC	C8	1-3	M	W	F	207	T	B	
02853	LAB-DISC	C11	1-3	M	W	F	114	T	B	
02854	LAB-DISC	D7	3-5	M	W	F	201	T	B	
02855	LAB-DISC	D8	3-5	M	W	F	207	T	B	
02856	LAB-DISC	D9	3-5	M	W	F	216	T	B	
02857	LAB-DISC	E7	8-10	TU	TH	S	201	T	B	
02858	LAB-DISC	E9	8-10	TU	TH	S	216	T	B	
02859	LAB-DISC	F8	10-12	TU	TH	S	207	T	B	

G E 108 GEOMETRY FOR ARCHITECTS.
PREREQUISITE--G. E. 107.
2 HOURS

02860	LAB-DISC	B11	10-12	M	W	F	114	T	B	SHICK AND
02861	LAB-DISC	E8	8-10	TU	TH	S	207	T	B	WILSON

COURSES FOR ADVANCED UNDERGRADUATES

G E 205 APPLIED DESCRIPTIVE GEOMETRY IN GEOLOGICAL PROBLEMS.
FOR STUDENTS MAJORING IN GEOLOGY.
PREREQUISITE--PLANE GEOMETRY, GEOL. 101, GEOL. 102, OR EQUIVALENT.
3 HOURS

02862	LAB-DISC	C5	1-3	M	W	F	308	T	B	REYES-GUERRA

G E 210 INDUSTRIAL PRODUCTION ILLUSTRATION.
PREREQUISITE--G.E. 102 OR G.E. 103.
3 HOURS

02863	LAB-DISC	G10	1-4	TU	TH		113	T	B	SHICK

G E 212 GRAPHICAL CALCULATIONS.
PREREQUISITE--G. E. 103 OR EQUIVALENT, MATH. 123.
1 HOUR

02864	LAB-DISC	F6A	10-12	TU			316	T	B	PLACEK
02865	LAB-DISC	F6B	10-12		TH		316	T	B	
02866	LAB-DISC	G4	3-5	TU			306	T	B	

G E 220 HISTORY OF ENGINEERING.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

02867	LECT-DISC	A	8	M	W	F	206	T	B	JEWETT AND
02868	LECT-DISC	B	10	M	W	F	206	T	B	OTHERS
02869	LECT-DISC	C	11	M	W	F	206	T	B	
02870	LECT-DISC	D	2	M	W	F	206	T	B	
02871	LECT-DISC	E	8-920	TU	TH		206	T	B	
02872	LECT-DISC	F	1-220	TU	TH		206	T	B	

PREREQUISITE--G.E. 103 AND 104, CREDIT OR REGISTRATION IN
T.A.M. 150.

02873	LECT-DISC	A3	8-10	M	W	F	305	T	B	
02874	LECT-DISC	B4	10-12	M	W	F	306	T	B	

G E 231 ENGINEERING ANALYSIS, I.
PREREQUISITE--G.E. 221, TAM 211.
3 HOURS

02875	LECT-DISC	C4	1-3	M	W	F	306	T	B	MARTIN

G E 232 ENGINEERING ANALYSIS, II.
PREREQUISITE--G.E. 231, TAM. 221.
4 HOURS

02876	LECT	A	1	MTU	THF		203	T	B	PLACEK

G E 241 COMPONENT DESIGN.
PREREQUISITE--G. E. 232, T.A.M. 224.
4 HOURS

02877	LECT-DISC	A	9	M W F	306	T B		REYES-GUERRA
02877	LAB	A	1-3	TU	306	T B		

G E 242 PROJECT DESIGN.
PREREQUISITE--G. E. 241, G. E. 288.
3 HOURS

02878	LECT-DISC	A	9-12	TU TH	306	T B		LARSON AND OTHERS

G E 282 INTRODUCTION TO PATENT LAW.
PREREQUISITE--SENIOR STANDING.
1 HOUR

02879	LECT-DISC	A	4	M	206	T B		STREETER
02880	LECT-DISC	B	8	W	214	T B		

G E 288 ECONOMIC ASPECTS OF ENGINEERING.
SAME AS E. E. 288.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING, ECON. 108 OR CONSENT OF INSTRUCTOR.
3 HOURS
*SECTION E1 IS FOR GENERAL ENGINEERING STUDENTS ONLY.

02881	DISC	A	8	TU TH S	260	E E B		SCHECK AND OTHERS
02882	DISC	B	9	M W F	260	E E B		
02883	DISC	C	10	TU TH S	260	E E B		
02884	DISC	D	11	M W F	260	E E B		
02885	DISC	E	3	M W F	260	E E B		
02887	DISC	*E1	3	M W F	206	T B		
02886	DISC	F	4	M W F	260	E E B		

G E 290 CONTRACTS AND SPECIFICATIONS
SAME AS C. E. 290.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR ARCHITECTURE.
3 HOURS

02888	LECT-DISC	E	1	M W F	202	C E H		PORTER
02889	LECT-DISC	F	10	M W F	202	C E H		

G E 291 GENERAL ENGINEERING SEMINAR.
PREREQUISITE--SENIOR STANDING IN GENERAL ENGINEERING.
1 HOUR

02890	LECT-DISC	A	3-5	W	203	T B		DOBROVOLNY

G E 292 ENGINEERING LAW.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR ARCHITECTURE, OR CONSENT OF INSTRUCTOR.
3 HOURS

02891	LECT-DISC	A	9	M W F	206	T B		STREETER AND PORTER
02892	LECT-DISC	B	1	M W F	206	T B		
02893	LECT-DISC	C	10-1120	TU TH	206	T B		

G E 293 SPECIAL PROBLEMS.
PREREQUISITE--JUNIOR STANDING AND CONSENT OF INSTRUCTOR.
3 HOURS
*SECTION A IS FOR STUDENTS INTERESTED IN STUDYING IN DEPTH THE CENTRAL FIGURES, WORKS, AND CONTRIBUTIONS IN THE EVOLUTION OF MODERN TECHNOLOGY AND METHODS FROM THE ARCHEOLOGICAL EVIDENCES OF PRE-HISTORY TO TODAY.

02895	LECT-DISC	*A	3-420	TU TH	203	T B		JEWETT
02894	CONF	&B	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

G E 304 PROFESSIONAL EXPRESSION.
SAME AS ENGL. 304.
*EQUIVALENT OF ANOTHER WEEKLY MEETING ARRANGED AT CONVENIENCE OF STUDENTS REGISTERING FOR FOUR HOURS OF CREDIT. PREREQUISITE--ADVANCED OR GRADUATE STANDING AND CONSENT OF INSTRUCTOR.
*3 OR 4 HOURS, OR 1 UNIT

02896	LECT-DISC	D	*11	M W F	238	M E B		MCCLINTOCK

G E 360 ENGINEERING APPLICATIONS OF METEOROLOGICAL FUNDAMENTALS.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, CHEMISTRY, OR PHYSICS, MATH. 142 OR 143, PHYCS. 106, 107, AND 108, M. E. 205, AND 206, OR M. E. 209 OR CHEM. 342 AND 344 OR PHYCS. 360.
4 HOURS, OR 1 UNIT
•ONE ADDITIONAL HOUR TO BE ARRANGED.

02897	LECT-DISC	A	•10	M W F	214	T B		PEARSON

G E 393 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
1 TO 4 HOURS, OR 1/2 OR 1 UNIT
•SECTION &A IS FOR GENERAL ENGINEERING STUDENTS
•SECTION G3 IS FOR STUDENTS OF NON-TECHNICAL COLLEGES WHO ANTICIPATE WORKING WITH ENGINEERS. THIS COURSE COVERS SPECIAL PROBLEMS PERTAINING TO THE INTERDEPENDENCE AND COMMUNICATION OF IDEAS BETWEEN ENGINEERING, BUSINESS ADMINISTRATION, ACCOUNTING, MARKETING AND FINANCE -- AND ALSO INCLUDES THE HISTORY, BRANCHES AND TERMINOLOGY OF ENGINEERING. CREDIT -- 3 HOURS OR 1/2 UNIT
•SECTION S IS RESTRICTED TO SUCCESSFUL APPLICANTS TO AN ACADEMIC YEAR INSTITUTE SPONSORED BY THE NATIONAL SCIENCE FOUNDATION FOR INSTRUCTORS IN JUNIOR COLLEGES AND TECHNICAL INSTITUTES TEACHING IN TECHNICAL AND PRE-ENGINEERING CURRICULA. THIS SECTION WILL BE A STUDY OF TECHNICAL EDUCATION PROBLEMS. CREDIT--1 HOUR.

02898	CONF	•&A	ARR					STAFF
02899	LAB-DISC	•G3	1-3	TU TH	305	T B		BERKOW AND OTHERS
02900	LECT-DISC	•S	9-11	TU	214	T B		DOBROVOLNY

GEOGRAPHY

DEPARTMENT OFFICE 220 D H

MAJOR--TWENTY HOURS IN GEOGRAPHY IN ADDITION TO GEOGRAPHY 101. AT LEAST FIFTEEN OF THE TWENTY HOURS MUST BE IN COURSES CARRYING ADVANCED CREDIT. INDIVIDUAL PROGRAMS ARE ARRANGED FOR MAJOR STUDENTS WITH THE FOLLOWING SPECIAL INTERESTS--LIBERAL EDUCATION, BUSINESS, CARTOGRAPHY, GOVERNMENT, TEACHING, OR GRADUATE STUDY. THESE PROGRAMS INCLUDE DEPARTMENTAL COURSES, MINOR FIELDS, AND RECOMMENDED ELECTIVES.

MINORS--TWENTY HOURS IN ONE OR TWO COLLEGE OF LIBERAL ARTS AND SCIENCES DEPARTMENTS OR IN INTERDEPARTMENTAL PROGRAMS APPROVED BY THE COLLEGE. MINOR PROGRAMS IN DEPARTMENTS OUTSIDE THE COLLEGE OF LIBERAL ARTS AND SCIENCES MAY BE ARRANGED IN CONSULTATION WITH THE DEPARTMENTAL ADVISER AND WITH THE APPROVAL OF THE DEAN OF THE COLLEGE. AT LEAST EIGHT HOURS OF THE TWENTY MINOR HOURS MUST BE TAKEN IN EACH IF THE STUDENT ELECTS TO MINOR IN TWO DIFFERENT DEPARTMENTS.

DEPARTMENTAL DISTINCTION--STUDENTS ELIGIBLE FOR GRADUATION WITH HONORS IN LIBERAL ARTS AND SCIENCES SHOULD CONSULT WITH THE DEPARTMENTAL ADVISER CONCERNING GRADUATION WITH DISTINCTION IN GEOGRAPHY.

GEOG 101 ELEMENTS OF GEOGRAPHY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.
*5 HOURS

02901	LECT	A	8	TU TH	314	A H			ALEXANDER
02902	LECT	B	10	TU TH	314	A H			ALEXANDER
02903	QUIZ	1	8	M W F	177	D H			
02904	QUIZ	2	8	M W F	175	D H			
02905	QUIZ	3	9	M W F	177	D H			
02906	QUIZ	4	9	M W F	175	D H			
02907	QUIZ	5	10	M W F	177	D H			
02908	QUIZ	6	10	M W F	175	D H			
02909	QUIZ	7	11	M W F	177	D H			
02910	QUIZ	8	11	M W F	175	D H			
02911	QUIZ	9	1	M W F	177	D H			
02912	QUIZ	10	1	M W F	175	D H			
02913	QUIZ	11	2	M W F	177	D H			
02914	QUIZ	12	2	M W F	175	D H			
02915	QUIZ	13	3	M W F	177	D H			
02916	QUIZ	14	3	M W F	175	D H			
02917	QUIZ	15	12	M W F	177	D H			

GEOG 104 WORLD REGIONAL GEOGRAPHY.
PREREQUISITE--GEOG. 101 OR CONSENT OF INSTRUCTOR.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02918	LECT	A	9	TU TH	314	A H			GARLAND
02919	LECT	B	11	TU TH	314	A H			GARLAND
02920	QUIZ	1	8	TU	175	D H			
02921	QUIZ	2	8	TH	175	D H			
02922	QUIZ	3	10	TU	175	D H			
02923	QUIZ	4	10	TH	175	D H			
02924	QUIZ	5	1	TU	175	D H			
02925	QUIZ	6	1	TH	175	D H			
02926	QUIZ	7	2	TU	175	D H			
02927	QUIZ	8	2	TH	175	D H			
02928	QUIZ	9	3	TU	175	D H			
02929	QUIZ	10	3	TH	175	D H			

GEOG 105 INTRODUCTORY ECONOMIC GEOGRAPHY.
*CREDIT IS NOT GIVEN IN ADDITION TO NAVY PIER GEOG. 106.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02930	LECT	A	11	TU TH	112	C A			ROEPKE
02931	QUIZ	1	8	TU	177	D H			
02932	QUIZ	2	10	TH	177	D H			
02933	QUIZ	3	1	TU	177	D H			
02934	QUIZ	4	1	TH	177	D H			
02935	QUIZ	5	2	TU	177	D H			
02936	QUIZ	6	3	TH	177	D H			
02937	QUIZ	7	4	TH	177	D H			

GEOG 111 INTRODUCTORY METEOROLOGY.
PREREQUISITE--GEOG. 101 OR CONSENT OF INSTRUCTOR.
3 HOURS

02938	LECT	A	8	TU TH	229	N H	B		PAGE
02939	LECT	B	10	TU TH	112	C A			PAGE
02940	QUIZ	1	9	TU	323	D H			
02941	QUIZ	2	9	TH	323	D H			
02942	QUIZ	3	11	TU	323	D H			
02943	QUIZ	4	11	TH	323	D H			
02944	QUIZ	5	1	TU	323	D H			
02945	QUIZ	6	1	TH	323	D H			
02946	QUIZ	7	2	TU	323	D H			
02947	QUIZ	8	2	TH	323	D H			

GEOG 185 INTRODUCTION TO SOCIAL SCIENCE RESEARCH METHODS.
SAME AS ANTH. AND SOC. 185.
PREREQUISITE--SOC. 100, OR CONSENT OF INSTRUCTOR, OR SIX HOURS IN SOCIOLOGY, POLITICAL SCIENCE, ANTHROPOLOGY, OR GEOGRAPHY.
3 HOURS

02948	LECT-DISC	A	930-11	TU TH	318	L H			DICKMAN
02949	LECT-DISC	B	11-1230	TU TH	318	L H			SIMMONS

COURSES FOR ADVANCED UNDERGRADUATES

GEOG 201 ADVANCED PHYSICAL GEOGRAPHY.
PREREQUISITE--GEOG. 101 OR CONSENT OF INSTRUCTOR.
3 HOURS

02950	LECT-DISC	B	9	M	W	F	152	D H	ALEXANDER

GEOG 214 CONSERVATION OF NATURAL RESOURCES.
3 HOURS

02951	LECT-DISC	D	2	M	W	F	113	D H	BOOTH

GEOG 223 GEOGRAPHY OF ANGLO-AMERICA.
3 HOURS

02952	LECT-DISC	B	9	M	W	F	323	D H	GARLAND

GEOG 231 GEOGRAPHY OF CARIBBEAN AMERICA.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY, ENROLLMENT IN THE LATIN-AMERICAN STUDIES PROGRAM, OR CONSENT OF INSTRUCTOR.
3 HOURS

02953	LECT-DISC	C	10	M	W	F	323	D H	THOMPSON

GEOG 241 HISTORICAL GEOGRAPHY OF EUROPE.
3 HOURS

02954	LECT-DISC	D	11	M	W	F	219	D H	RUSSELL

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GEOG 313 CLIMATES OF THE CONTINENTS.
PREREQUISITE--GEOG. 101 AND 111.
3 HOURS, OR 1/2 UNIT

02955	LECT-DISC	A	8	M	W	F	323	D H	PAGE

GEOG 351 GEOGRAPHY OF ASIA.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

02956	LECT-DISC	D	11	M	W	F	113	D H	BOOTH

GEOG 353 GEOGRAPHY OF THE U S S R.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY OR CONSENT OF INSTRUCTOR, OR ENROLLMENT AS A MAJOR OR MINOR IN RUSSIAN LANGUAGE AND AREA STUDIES.
3 HOURS, OR 1/2 UNIT

02957	LECT-DISC	B	9	M	W	F	113	D H	FELLMANN

GEOG 357 GEOGRAPHY OF THE MIDDLE EAST AND NORTH AFRICA.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

02958	LECT-DISC	D	11	M	W	F	323	D H	FOSTER

GEOG 362 MANUFACTURING REGIONS OF THE WORLD.
3 HOURS, OR 1/2 UNIT

02959	LECT-DISC	C	10	M	W	F	113	D H	ROEPKE

GEOG 369 INTRODUCTION TO HUMAN ECOLOGY.
SAME AS ANTH., PHYSL., ZOOL., AND SOC. 369.
PREREQUISITE--ONE YEAR OF BIOLOGY, AND ONE YEAR OF ANTHROPOLOGY, GEOGRAPHY, GEOLOGY, OR SOCIOLOGY.
*A TERM PAPER IS REQUIRED FOR CREDIT, DEPENDING UPON THE NATURE AND MAGNITUDE OF THIS PAPER THE CREDIT MAY BE 3 OR 5 HOURS.
*3 OR 5 HOURS, OR 1/2 OR 1 UNIT

02960	LECT-DISC		11	M	W	F	229	N H B	SHIMKIN AND OTHERS

GEOG 371 INTRODUCTION TO RESEARCH, I.
LIMITED TO STUDENTS WHOSE MAJOR IS GEOGRAPHY AND TO SENIORS WHOSE MAJOR IS IN OTHER DEPARTMENTS BUT WHO HAVE TWELVE HOURS OF GEOGRAPHY.
2 HOURS, OR 1/2 UNIT

02961	LECT-DISC	&E	1-3	TU			113	D H	FELLMANN

GEOG 372 INTRODUCTION TO RESEARCH, II.
2 HOURS, OR 1/2 UNIT
02962 LECT-DISC &A ARR STAFF

GEOG 373 MAP COMPILATION AND CONSTRUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT
02963 LECT-DISC G 2-5 M W 318 D H FOSTER

GEOG 378 DESCRIPTIVE INTERPRETATION OF AERIAL PHOTOGRAPHS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT
02964 LECT-DISC H 3-5 TU TH 323 D H BOOTH

GEOG 386 POLITICAL GEOGRAPHY.
3 HOURS, OR 1/2 UNIT
02965 LECT-DISC F 2 M W F 323 D H GARLAND

COURSES FOR GRADUATES

GEOG 429 THE EVOLUTION OF AGRICULTURAL ECONOMIES.
SAME AS AGRON. AND ANTH. 429.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
02966 LECT-DISC F 2-4 M 219 D H ALEXANDER AND OTHERS

GEOG 477 AREA ANALYSIS.
1 UNIT
02967 LECT-DISC H 3-5 TU 219 D H FOSTER

GEOG 495 ADVANCED STUDIES IN GEOGRAPHY.
1/2 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING FIELDS--
THE FOLLOWING FIELDS--

LATIN AMERICA	ALEXANDER, PAGE, THOMPSON
PHYSICAL GEOGRAPHY	ALEXANDER
MATHEMATICAL GEOGRAPHY	BOOTH, SHIMKIN
EUROPE	FOSTER AND RUSSELL
ANGLO-AMERICA	GARLAND
HUMAN ECOLOGY	SHIMKIN, ALEXANDER
U.S.S.R.	FELLMANN, SHIMKIN
ECONOMIC GEOGRAPHY	ROEPKE
PROBLEMS OF GEOGRAPHIC STUDY	RUSSELL

02968 CONF ARR

GEOG 497 DEVELOPMENT OF GEOGRAPHIC THOUGHT.
1/2 UNIT
02969 LECT-DISC F 1-3 TH 113 D H FELLMANN

GEOG 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
02970 CONF ARR STAFF

GEOLOGY

DEPARTMENT OFFICE 234 N H

MAJOR--TWENTY HOURS IN GEOLOGY, EXCLUDING GEOL. 101, PHYSICAL GEOLOGY, 105, AGRICULTURAL GEOLOGY, AND 150, GEOLOGY FOR ENGINEERS. THE FOLLOWING COURSES, IN ADDITION TO GEOL. 101, PHYSICAL GEOLOGY, ARE FUNDAMENTAL FOR A MAJOR IN GEOLOGY--102, HISTORICAL GEOLOGY, 131 AND 132, MINERALOGY, 301, GEOMORPHOLOGY, 311, STRUCTURAL GEOLOGY 320, PALEONTOLOGY, 321, STRATIGRAPHY, 317, FIELD GEOLOGY IN THE ROCKY MOUNTAINS, G E 205, APPLIED DESCRIPTIVE GEOMETRY IN GEOLOGICAL PROBLEMS, CHEM. 101 OR 102, GENERAL CHEMISTRY, PHYSICS 101, GENERAL PHYSICS, MATH. 112, COLLEGE ALGEBRA, MATH. 114, TRIGONOMETRY, AND MATH. 123 OR 122, ANALYTIC GEOMETRY.

STUDENTS ARE ADVISED TO TAKE MATH. 132 AND 142, OR MATH. 133 AND 143 CALCULUS, AND PHYSICS 102, GENERAL PHYSICS.

STUDENTS WHOSE PRIMARY INTEREST IS MINERALOGY, PETROLOGY, AND MINERAL DEPOSITS SHOULD ALSO TAKE CHEM. 105, INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS, AND CHEM. 245 AND 246, PHYSICAL CHEMISTRY FOR ENGINEERS, OR THE EQUIVALENT. IT IS ALSO ADVISABLE FOR SUCH STUDENTS TO TAKE GEOL. 335, OPTICAL MINERALOGY, AND GEOL. 336, PETROGRAPHY, DURING THE SENIOR YEAR.

MINORS--TWENTY HOURS CHOSEN FROM ONE OR TWO OF THE FOLLOWING SUBJECTS--ASTRONOMY, BOTANY, CHEMISTRY, CIVIL ENGINEERING, ECONOMICS GEOGRAPHY, MATHEMATICS, MINING ENGINEERING, PHYSICS, AND ZOOLOGY, AFTER CONSULTATION WITH THE DEPARTMENT OF GEOLOGY. AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH SUBJECT IF TWO ARE CHOSEN.

DEPARTMENTAL DISTINCTION--ONLY THOSE STUDENTS WHO HAVE CREDIT IN GEOL. 290 AND WRITE A THESIS ARE RECOMMENDED FOR GRADUATION WITH DEPARTMENTAL DISTINCTION. EACH STUDENT WHO DESIRES TO REGISTER MUST OBTAIN A WRITTEN STATEMENT FROM THE INSTRUCTOR UNDER WHOM HE IS TO WORK AND PRESENT IT TO THE HEAD OF THE DEPARTMENT AT THE TIME OF REGISTRATION.

NOTE--CERTAIN GEOLOGY COURSES ARE OFFERED ONLY IN ALTERNATE YEARS--324, VERTEBRATE PALEONTOLOGY, 401, ADVANCED DYNAMIC GEOLOGY, 402, ADVANCED HISTORICAL GEOLOGY, 428, PALYNOLOGY.

AT LEAST ONE YEAR OF GRADUATE WORK IS NECESSARY AS FURTHER TRAINING FOR ALL PROFESSIONAL WORK IN GEOLOGY.

COURSES FOR UNDERGRADUATES

GEOL 101 PHYSICAL GEOLOGY.
FIELD TRIP.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS REGISTERED IN QUIZ SECTIONS LISTED UNDER LECT. A MUST ENROLL IN LECT. A, THOSE UNDER LECT. B, IN LECT. B.
*QUIZ SECTIONS &6 AND &17, AND LAB. SECTION &20 ARE RESERVED FOR JAMES SCHOLARS AND OTHER SUPERIOR STUDENTS. ADMISSION TO THESE SECTIONS REQUIRE CONCURRENT REGISTRATION IN GEOL. 111.

02971	LECT	A	8	M W		228	N	H	B	SHAFFER
02972	QUIZ	1	8		F	109	N	H	B	
02973	QUIZ	2	8		F	251	N	H	B	
02974	QUIZ	3	8		F	143	N	H	B	
02975	QUIZ	4	8		F	120	N	H	B	
02976	QUIZ	5	8		F	228	N	H	B	
03009	QUIZ	*&6	8		F	236	N	H	B	
02977	QUIZ	7	9		F	109	N	H	B	
02978	QUIZ	8	9		F	251	N	H	B	
02979	QUIZ	9	10		F	109	N	H	B	
02980	QUIZ	10	10		F	251	N	H	B	

GEOL 101 CONTINUED

02981	LECT	A	1	M W	228	N H B		WAHL
02982	QUIZ	11	1	F	251	N H B		
02983	QUIZ	12	1	F	109	N H B		
02984	QUIZ	13	1	F	143	N H B		
02985	QUIZ	14	1	F	120	N H B		
02986	QUIZ	15	1	F	228	N H B		
02987	QUIZ	16	1	F	247	N H B		
03010	QUIZ	*&17	1	F	236	N H B		
02988	QUIZ	18	2	F	109	N H B		
02989	QUIZ	19	2	F	251	N H B		
02990	LAB	1	8-10	TU	251	N H B		
02991	LAB	2	8-10	TH	251	N H B		
02992	LAB	3	8-10	TU	120	N H B		
02993	LAB	4	8-10	TH	120	N H B		
02994	LAB	5	8-10	TU	109	N H B		
02995	LAB	6	10-12	TU	251	N H B		
02996	LAB	7	10-12	TH	251	N H B		
02997	LAB	8	10-12	TU	120	N H B		
02998	LAB	9	10-12	TH	120	N H B		
02999	LAB	10	10-12	W	251	N H B		
03000	LAB	11	1-3	TU	251	N H B		
03001	LAB	12	1-3	TH	251	N H B		
03002	LAB	13	1-3	TU	120	N H B		
03003	LAB	14	1-3	TH	120	N H B		
03004	LAB	15	1-3	TH	134	N H B		
03005	LAB	16	2-4	W	251	N H B		
03006	LAB	17	3-5	TU	251	N H B		
03007	LAB	18	3-5	TH	251	N H B		
03008	LAB	19	3-5	W	109	N H B		
03011	LAB	*&20	3-5	TH	143	N H B		

GEOL 102 HISTORICAL GEOLOGY.

PREREQUISITE--GEOL. 101 OR D.G.S. 142.
FIELD TRIP.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS REGISTERED IN LAB.-DISC. SECTIONS LISTED UNDER LECT. A MUST ENROLL IN LECT. A. THOSE UNDER LECT. B, IN LECT. B, THOSE UNDER LECT. C, IN LECT. C, THOSE UNDER LECT. D IN LECTURE D.
*JAMES SCHOLARS AND OTHER SUPERIOR STUDENTS MAY ENROLL IN ANY LECTURE SECTION BUT MUST REGISTER FOR LAB-DISC &9 INSTEAD OF THOSE LAB-DISC SECTIONS LISTED FOR THAT SPECIFIC LECTURE.
ADMISSION TO THIS SECTION REQUIRES CONCURRENT REGISTRATION IN GEOLOGY 112.

03012	LECT	A	8	M W F	247	N H B		JOHNSON
03013	LAB-DISC	1	8-10	TU	143	N H B		
03014	LAB-DISC	2	8-10	TH	143	N H B		
03015	LECT	B	9	M W F	247	N H B		
03016	LAB-DISC	3	10-12	W	143	N H B		
03017	LAB-DISC	4	1-3	W	143	N H B		
03018	LECT	C	10	M W F	229	N H B		FARVOLDEN
03019	LAB-DISC	5	10-12	TU	143	N H B		
03020	LAB-DISC	6	10-12	TH	143	N H B		
03021	LECT	D	2	M W F	247	N H B		HAY
03022	LAB-DISC	7	1-3	TU	143	N H B		
03023	LAB-DISC	8	1-3	TH	143	N H B		
03024	LAB-DISC	*&9	3-5	TU	143	N H B		

GEOL 105 AGRICULTURAL GEOLOGY.

FOR AGRICULTURE STUDENTS ONLY.
PREREQUISITE--ONE SEMESTER OF CHEMISTRY.
ONE-HALF DAY FIELD TRIP, ESTIMATED EXPENSE $1.50.
4 HOURS

03025	LECT		9	TU TH	124	BUR HALL		JOHNSON
03026	QUIZ	A	1	W	251	N H B		
03027	QUIZ	B	1	W	120	N H B		
03028	QUIZ	C	1	W	109	N H B		
03029	QUIZ	D	2	W	109	N H B		
03030	QUIZ	E	2	W	120	N H B		
03031	QUIZ	F	2	F	120	N H B		
03032	QUIZ	G	2	F	143	N H B		
03033	LAB	1	1-3	TU	109	N H B		
03034	LAB	2	3-5	TU	109	N H B		
03035	LAB	3	1-3	TH	109	N H B		
03036	LAB	4	3-5	TH	109	N H B		
03037	LAB	5	10-12	TU	109	N H B		
03038	LAB	6	10-12	TH	109	N H B		

GEOL 111 HONORS--PHYSICAL GEOLOGY.
PREREQUISITE--CONCURRENT REGISTRATION IN THE HONORS SECTIONS OF GEOL. 101, JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
1 HOUR

03039	LAB-DISC	&	ARR						WAHL AND OTHERS

GEOL 112 HONORS--HISTORICAL GEOLOGY.
PREREQUISITE--CONCURRENT REGISTRATION IN THE HONORS LABORATORY OF GEOL. 102, JAMES SCHOLAR OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
1 HOUR

03040	LAB-DISC	&	ARR						JOHNSON AND OTHERS

GEOL 131 MINERALOGY, I.
PREREQUISITE--GEOL. 102, ONE SEMESTER OF COLLEGE CHEMISTRY, OR CONSENT OF INSTRUCTOR.
4 HOURS

03041	LECT		8	TU TH	247	N H B			HENDERSON
03042	LAB	1	1-3	TU TH	147	N H B			
03043	LAB	2	3-5	TU TH	147	N H B			

GEOL 150 GEOLOGY FOR ENGINEERS.
PREREQUISITE--SOPHOMORE STANDING IN THE COLLEGE OF ENGINEERING.
3 HOURS

03044	LECT		9	M	F	124	BUR HALL		
03045	QUIZ	1	9	W		251	N H B		
03046	QUIZ	2	9	W		143	N H B		
03047	QUIZ	3	9	W		120	N H B		
03048	QUIZ	4	9	W		109	N H B		
03049	QUIZ	5	9	W		147	N H B		

COURSES FOR ADVANCED UNDERGRADUATES

GEOL 290 INTRODUCTION TO RESEARCH
PREREQUISITE--CONSENT OF INSTRUCTOR.
CREDIT TO BE ARRANGED.

03050	CONF	&A	ARR						STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GEOL 301 GEOMORPHOLOGY.
PREREQUISITE--GEOL. 102.
FIELD TRIPS.
4 HOURS, OR 1 UNIT

03051	LECT		10	M W	F	247	N H B		WHITE
03052	LAB	1	3-5	TU		120	N H B		
03053	LAB	2	3-5		TH	120	N H B		

GEOL 311 STRUCTURAL GEOLOGY.
PREREQUISITE--GEOL. 102, G. E. 205, OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
4 HOURS, OR 1 UNIT

03054	LECT		3	M W	F	247	N H B		HARRINGTON
03055	LAB	1	3-5	TU		236	N H B		

GEOL 320 INVERTEBRATE PALEONTOLOGY.
PREREQUISITE--GEOL. 102.
4 HOURS, OR 1 UNIT

03056	LECT		9	M W		236	N H B		HAY
03057	LAB	1	8-10	TU TH		236	N H B		
03058	LAB	2	10-12	TU TH		236	N H B		

GEOL 324 VERTEBRATE PALEONTOLOGY.
SAME AS ZOOL. 324.
PREREQUISITE--GEOL. 102 OR ZOOL. 132.
FIELD TRIP.
3 HOURS, OR 1/2 UNIT

03059	LECT		9	TU TH		136	BUR HALL		BADER
03060	LAB	1	10-12		TH	415	N H B		

GEOL 335 OPTICAL MINERALOGY.
PREREQUISITE--GEOL. 132.
FOR STUDENTS IN GEOLOGY, CERAMICS, CHEMISTRY, MINING, AND AGRICULTURE.
4 HOURS, OR 1 UNIT

03061	LECT		9	TU TH	247	N H B		CHAPMAN
03062	LAB	1	10-12	TU TH	254	N H B		
03063	LAB	2	1-3	TU TH	254	N H B		

GEOL 350 THEORETICAL GEOPHYSICS.
PREREQUISITE--MATHEMATICS THROUGH CALCULUS, ONE YEAR OF PHYSICS, GEOL. 311 AND CONSENT OF INSTRUCTOR.
4 HOURS OR 1 UNIT

03064	LECT		11	M W F	134	N H B		HARRINGTON

COURSES FOR GRADUATES

GEOL 401 ADVANCED DYNAMIC GEOLOGY.
1 UNIT

03065	LECT		8	M W F	134	N H B		WANLESS

GEOL 415 GEOLOGY OF THE UPPER MISSISSIPPI VALLEY.
5 OR 6 DAY FIELD TRIPS, ESTIMATED EXPENSE, $60.
1 UNIT

03066	LAB-DISC		8-12	S	251	N H B		LANGENHEIM

GEOL 422 STRATIGRAPHIC GEOLOGY--PALEOZOIC.
PREREQUISITE--GEOL. 321.
1 UNIT

03067	LECT		11	M W F	236	N H B		SCOTT

GEOL 425 MICROPALEONTOLOGY--FORAMINIFERA.
PREREQUISITE--GEOL. 320 OR ZOOL. 320.
1 UNIT

03068	LAB-DISC		ARR		138	N H B		SCOTT

GEOL 430 CRYSTALLOGRAPHY.
PREREQUISITE--GEOL. 335 OR EQUIVALENT AND CONSENT OF INSTRUCTOR.
1 UNIT

03069	LECT		11	M W F	147	N H B		HENDERSON
03069	LAB		ARR					

GEOL 435 IGNEOUS PETROLOGY.
1 UNIT

03070	LECT		9	M W F	254	N H B		CHAPMAN

GEOL 437 SEDIMENTARY PETROLOGY.
PREREQUISITE--GEOL. 335.
1 UNIT

03071	LECT		3	M F	134	N H B		RICHARDS
03071	LAB		ARR					

GEOL 440 MINERAGRAPHY.
1 UNIT

03072	LAB-DISC		1-3	M W	150	N H B		HAGNER

GEOL 450 GEOLOGY FOR CIVIL ENGINEERS.
PREREQUISITE--GEOL. 150 OR EQUIVALENT.
1 UNIT

03073	LECT		11	M W F	109	N H B		DEERE

GEOL 455 HYDROGEOLOGY.
1 UNIT

03074	LECT		4	M W F	120	N H B		FARVOLDEN

GEOL 461 MINERALOGY OF CLAYS, I.
PREREQUISITE--GEOL. 336 OR CHEM. 328 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

03075	LECT		10	M W	120	N H B		

GEOL 493 ADVANCED STUDIES IN GEOLOGY.
1/2 TO 2 UNITS

CLAY MINERALOGY	GRIM
ENGINEERING GEOLOGY	DEERE, RICHARDS
GEOMORPHOLOGY AND GLACIAL GEOLOGY	SHAFFER, WHITE
GEOTECTONICS	CAROZZI
GROUND-WATER GEOLOGY	FARVOLDEN
MICROPALEONTOLOGY	SCOTT
MINERAL DEPOSITS	HAGNER
MINERALOGY AND CRYSTALLOGRAPHY	HENDERSON
PALEOBOTANY--See BOT. 493	STEWART
PALEONTOLOGY	HAY, SCOTT
PENNSYLVANIAN STRATIGRAPHY	WANLESS
PETROGRAPHY AND PETROLOGY	CHAPMAN
SEDIMENTARY PETROLOGY	CAROZZI, RICHARDS, WANLESS
STRATIGRAPHY	LANGENHEIM, SCOTT, DENNISON

03076 CONF ARR STAFF

GEOL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
03077 CONF ARR STAFF

GERMAN

DEPARTMENT OFFICE 371 L H

MAJOR--TWENTY HOURS IN GERMAN, EXCLUDING GERMAN 101, 102, 103, 104 AND 113, AND INCLUDING AT LEAST SIX HOURS IN COURSES IN THE 300 GROUP--NORMALLY 301 AND 302--OR EQUIVALENT.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO SUBJECTS CHOSEN FROM THE FOLLOWING LIST, WITH AT LEAST EIGHT HOURS IN EACH SUBJECT--EDUCATION ENGLISH--EXCLUDING RHET. 101, 102, AND 200--FRENCH, GREEK, HISTORY, ITALIAN, LATIN, LIBRARY SCIENCE, LINGUISTICS--EXCLUDING LING. 301--MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, AND SPANISH. THE FIRST SEMESTER OF ANY FOREIGN LANGUAGE--FR. 101, GRK. 101, ITAL. 101, LAT. 101, PORT. 101, RUSS. 101, SPAN. 101--MAY NOT BE COUNTED TOWARD A MINOR IN THAT LANGUAGE.

COURSES FOR UNDERGRADUATES

GER 101 ELEMENTARY COURSE, I.
•NO CREDIT TOWARD GRADUATION IS GIVEN FOR GER. 101 WITHOUT GER. 102.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
•SECTION &S IS PARTICULARLY FOR JAMES SCHOLARS OR OTHER SPECIAL STUDENTS.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HALF-HOUR PERIODS OF WORK WEEKLY IN THE LANGUAGE LABORATORY, ROOM 202 L. H., ONE FROM EACH OF THE FOLLOWING SESSIONS--FIRST SESSION--8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, 1, 1.30, 2, 2.30, 3, 3.30, 4, 4.30, 5, 5.30, 7, 7.30, 8, 8.30, M. SECOND SESSION--8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, 1, 1.30, 2, 2.30, 3, 3.30, 4, 4.30, 5, 5.30, 7, 7.30, 8, 8.30, W.

03078	LECT-DISC	A1	8	MTUWTH	332	L H
03079	LECT-DISC	A2	8	MTUWTH	221	G H
03080	LECT-DISC	B1	9	MTUWTH	332	L H
03081	LECT-DISC	B2	9	MTUWTH	336	G H
03082	LECT-DISC	B3	9	MTUWTH	331	G H
03083	LECT-DISC	C1	10	MTUWTH	332	L H
03084	LECT-DISC	C2	10	MTUWTH	336	G H
03085	LECT-DISC	C3	10	MTUWTH	221	G H
03086	LECT-DISC	D1	11	MTUWTH	332	L H
03087	LECT-DISC	D2	11	MTUWTH	336	G H
03088	LECT-DISC	D3	11	MTUWTH	221	G H
03089	LECT-DISC	X1	12	MTUWTH	332	L H
03090	LECT-DISC	X2	12	MTUWTH	336	G H
03091	LECT-DISC	X3	12	MTUWTH	221	G H

GER 101 CONTINUED

03112	LECT-DISC	*&S	1	MTUWTH	261	L H
03092	LECT-DISC	E1	1	MTUWTH	332	L H
03093	LECT-DISC	E2	1	MTUWTH	336	G H
03094	LECT-DISC	E3	1	MTUWTH	221	G H
03095	LECT-DISC	E4	1	MTUWTH	312	D K H
03096	LECT-DISC	F1	2	MTUWTH	332	L H
03097	LECT-DISC	F2	2	MTUWTH	336	G H
03098	LECT-DISC	F3	2	MTUWTH	221	G H
03099	LECT-DISC	F4	2	MTUWTH	310	D K H
03100	LECT-DISC	F5	2	MTUWTH	312	D K H
03102	LECT-DISC	G1	3	MTUWTH	332	L H
03101	LECT-DISC	G2	3	MTUWTH	336	G H
03103	LECT-DISC	G3	3	MTUWTH	221	G H
03104	LECT-DISC	G4	3	MTUWTH	310	D K H
03105	LECT-DISC	G5	3	MTUWTH	312	D K H
03106	LECT-DISC	H1	4	MTUWTH	332	L H
03107	LECT-DISC	H2	4	MTUWTH	336	G H
03108	LECT-DISC	H3	4	MTUWTH	221	G H
03109	LECT-DISC	H4	4	MTUWTH	321	G H
03110	LECT-DISC	J1	5	MTUWTH	332	G H
03111	LECT-DISC	J2	5	MTUWTH	336	G H

GER 102 ELEMENTARY COURSE, II.

PREREQUISITE--GER. 101 OR ONE YEAR OF HIGH SCHOOL GERMAN.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*SECTION &S IS PARTICULARLY FOR JAMES SCHOLARS OR OTHER SPECIAL STUDENTS.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HALF-HOUR PERIODS OF WORK WEEKLY IN THE LANGUAGE LABORATORY, ROOM 202 L. H., ONE FROM EACH OF THE FOLLOWING SESSIONS--FIRST SESSION-- 8. 830, 9, 930, 10, 1030, 11, 1130, 12, 1230, 1, 130, 2, 230, 3, 330, 4, 430, 5, 530, 7, 730, 8, 830, T. SECOND SESSION--8, 830, 9, 930, 10, 1030, 11, 1130, 12, 1230, 1, 130, 2, 230, 3, 330, 4, 430, 5, 530, F

03113	LECT-DISC	A	8	MTUWTH	329	G H
03114	LECT-DISC	B1	9	MTUWTH	329	G H
03115	LECT-DISC	B2	9	MTUWTH	221	G H
03116	LECT-DISC	C	10	MTUWTH	329	G H
03117	LECT-DISC	D	11	MTUWTH	329	G H
03118	LECT-DISC	X	12	MTUWTH	329	G H
03122	LECT-DISC	*&S	1	MTUWTH	329	G H
03119	LECT-DISC	F	2	MTUWTH	329	G H
03120	LECT-DISC	G	3	MTUWTH	329	G H
03121	LECT-DISC	H	4	MTUWTH	329	G H

GER 103 INTERMEDIATE COURSE, I.

PREREQUISITE--GER. 102, TWO YEARS OF HIGH SCHOOL GERMAN, OR EQUIVALENT.
4 HOURS
*SECTION E1 IS A PROFICIENCY SECTION WHICH WILL COVER THE WORK OF GER. 103 AND 104. ADMISSION IS LIMITED TO 20 STUDENTS MAKING THE HIGHEST GRADES IN GER. 102 DURING THE PRECEDING SPRING OR SUMMER SEMESTER.
STUDENTS MUST REGISTER FOR ONE-HALF HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.

03123	LECT-DISC	A1	8	MTUWTH	111	G H
03124	LECT-DISC	A2	8	MTUWTH	321	G H
03125	LECT-DISC	B1	9	MTUWTH	111	G H
03126	LECT-DISC	B2	9	MTUWTH	321	G H
03127	LECT-DISC	C1	10	MTUWTH	111	G H
03128	LECT-DISC	C2	10	MTUWTH	321	G H
03129	LECT-DISC	D1	11	MTUWTH	111	G H
03130	LECT-DISC	D2	11	MTUWTH	321	G H
03131	LECT-DISC	X	12	MTUWTH	388	L H
03138	LECT-DISC	*E1	1	MTUWTH	254	ADMIN
03132	LECT-DISC	E2	1	MTUWTH	388	L H
03133	LECT-DISC	E3	1	MTUWTH	321	G H
03134	LECT-DISC	F	2	MTUWTH	321	G H
03135	LECT-DISC	G	3	MTUWTH	321	G H
03136	LECT-DISC	H	4	MTUWTH	388	L H
03137	LECT-DISC	J	5	MTUWTH	388	L H

GER 104 INTERMEDIATE COURSE, II.
PREREQUISITE--GER. 103, OR THREE YEARS OF HIGH SCHOOL GERMAN, OR EQUIVALENT.
4 HOURS

03139	LECT-DISC	A	8	MTUWTH	388	L H		
03140	LECT-DISC	B1	9	MTUWTH	310	D K H		
03141	LECT-DISC	B2	9	MTUWTH	312	D K H		
03142	LECT-DISC	C	10	MTUWTH	310	D K H		
03143	LECT-DISC	D	11	MTUWTH	370	L H		
03144	LECT-DISC	E1	1	MTUWTH	370	L H		
03145	LECT-DISC	E2	1	MTUWTH	310	D K H		
03146	LECT-DISC	G	3	MTUWTH	370	L H		

GER 113 PRACTICE IN CONVERSATION.
PREREQUISITE--GER. 102 OR EQUIVALENT. STUDENTS WHO HAVE COMPLETED GER. 104 MAY ENROLL ONLY WITH DEPARTMENTAL PERMISSION.
2 HOURS

03147	LECT-DISC	M	10	TU TH	261	L H	
03148	LECT-DISC	N	11	TU TH	261	L H	

COURSES FOR ADVANCED UNDERGRADUATES

GER 210 MASTERPIECES OF GERMAN LITERATURE.
PREREQUISITE--TWO YEARS OF COLLEGE GERMAN OR EQUIVALENT.
3 HOURS

03149	LECT-DISC	B	9	M W F	370	L H	
03150	LECT-DISC	C	10	M W F	388	L H	LORBE
03151	LECT-DISC	D	11	M W F	388	L H	SCHWALBE

GER 211 CONVERSATION AND WRITING, I.
PREREQUISITE--GER. 103 AND 113, OR GER. 104, OR EQUIVALENT.
3 HOURS

03152	LECT-DISC	F1	2	MTUWTH	388	L H	WIENOLD
03153	LECT-DISC	F2	2	MTUWTH	211	G H	LORBE
03154	LECT-DISC	G1	3	MTUWTH	388	L H	EBERSPACH
03155	LECT-DISC	G2	3	MTUWTH	211	G H	SCHIER

GER 212 CONVERSATION AND WRITING, II.
PREREQUISITE--GER. 211 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3 HOURS

03156	LECT-DISC	F	2	MTUWTH	370	L H	SCHIER

GER 251 MODERN GERMAN FICTION.
PREREQUISITE--GER. 210 OR EQUIVALENT.
3 HOURS

03157	LECT-DISC	B	9	M W F	261	L H	FOULKES

GER 260 LYRICS AND BALLADS.
PREREQUISITE--GER. 210 OR EQUIVALENT.
3 HOURS

03158	LECT-DISC	C	10	M W F	261	L H	LORBE

GER 291 SENIOR THESIS AND HONORS COURSE.
PREREQUISITE--SENIOR STANDING, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS

03159	CONF	&	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GER 301 GERMAN LITERATURE TO 1700.
PREREQUISITE--GER. 210 AND ONE OTHER LITERATURE COURSE, OR EQUIVALENT.
3 HOURS, OR 1 UNIT

03160	LECT-DISC	B	9	M W F	388	L H	STEGEMEIER

GER 303 ADVANCED CONVERSATION, COMPOSITION, AND SYNTAX.
PREREQUISITE--THREE YEARS OF COLLEGE GERMAN, INCLUDING GER. 212, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03161	LECT-DISC	F	2	MTUWTH	261	L H	EBERSPACH
03162	LECT-DISC	G	3	MTUWTH	261	L H	LORBE

GER 311 GOETHE.
PREREQUISITE--GER. 210 AND ONE OTHER LITERATURE COURSE OR EQUIVALENT.
3 HOURS, OR 1 UNIT

03163	LECT-DISC	A	8	M W F	261	L H		HAILE

GER 320 HISTORY OF GERMAN CIVILIZATION.
PREREQUISITE--GER. 210 AND ONE OTHER LITERATURE COURSE, OR EQUIVALENT.
3 HOURS, OR 1 UNIT

03164	LECT-DISC	D	11	M W F	261	L H		STEGEMEIER

GER 360 INTRODUCTION TO GERMAN PHONETICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

03165	LECT-DISC	K	8-10	TU TH	261	L H		NOCK

COURSES FOR GRADUATES

GER 400 BEGINNING GERMAN FOR GRADUATE STUDENTS.
4 HOURS--NO GRADUATE CREDIT.

03166	LECT-DISC	A1	8	MTUWTH	310	D K H		
03167	LECT-DISC	A2	8	MTUWTH	336	G H		
03168	LECT-DISC	D	11	MTUWTH	310	D K H		
03169	LECT-DISC	X1	12	MTUWTH	111	G H		
03170	LECT-DISC	X2	12	MTUWTH	310	D K H		
03171	LECT-DISC	H1	4	MTUWTH	111	G H		
03172	LECT-DISC	H2	4	MTUWTH	310	D K H		
03173	LECT-DISC	J1	5	MTUWTH	111	G H		
03174	LECT-DISC	J2	5	MTUWTH	221	G H		

GER 401 READINGS IN GERMAN FOR GRADUATE STUDENTS.
PREREQUISITE--GER. 400 OR EQUIVALENT.
4 HOURS--NO GRADUATE CREDIT.
*SECTIONS A, H, AND L DO READINGS PARTICULARLY IN THE HUMANITIES AND THE SOCIAL SCIENCES, SECTIONS C, D, X, K, AND M IN THE NATURAL SCIENCES. SECTION J WILL READ SELECTIONS IN LITERARY CRITICISM.

03175	LECT-DISC	*A	8	M W F	312	D K H		
03178	LECT-DISC	*C	10	M W F	312	D K H		
03179	LECT-DISC	*D	11	M W F	312	D K H		
03180	LECT-DISC	*X	12	M WTH	370	L H		
03176	LECT-DISC	*H	4	M WTH	370	L H		
03183	LECT-DISC	*J	5	M WTH	370	L H		SCHWALBE
03181	LECT-DISC	*K	8	TU TH S	370	L H		
03177	LECT-DISC	*L	9	TU TH S	370	L H		
03182	LECT-DISC	*M	10	TU TH S	370	L H		

GER 411 PROSEMINAR.
PREREQUISITE--CONCURRENT REGISTRATION IN GER. 495.
1 UNIT

03184	LECT-DISC	F	2-4	F	425A	LIB		PHILIPPSON

GER 415 MIDDLE HIGH GERMAN.
1 UNIT

03185	LECT-DISC	D	11	M W F	304	G H		NOCK

GER 445 OLD HIGH GERMAN.
1 UNIT

03186	LECT-DISC	C	10	M W F	425A	LIB		PHILIPPSON

GER 451 NATURALISM, SYMBOLISM, EXPRESSIONISM.
1 UNIT

03187	LECT-DISC	A	8	M W F	370	L H		FREY

GER 493 RESEARCH IN SPECIAL TOPICS.
1 TO 4 UNITS

03188	CONF		ARR					STAFF

GER 495 BIBLIOGRAPHY AND METHODS IN LITERARY HISTORY.
PREREQUISITE--CONCURRENT REGISTRATION IN GER. 411.
1/2 UNIT
03189 LECT-DISC H 4 W 425A LIB FREY

GER 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 1/2 UNITS
03190 CONF ARR STAFF

GREEK

DEPARTMENT OFFICE 360 L H

MAJOR--TWENTY HOURS. IN ADDITION CLASSICAL CIVILIZATION 301-302 IS STRONGLY RECOMMENDED AS AN ELECTIVE.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ENGLISH LITERATURE, FOREIGN LANGUAGE, LATIN BEING ESPECIALLY RECOMMENDED, HISTORY, LIBRARY SCIENCE, AND PHILOSOPHY.

CREDIT FOR NEW TESTAMENT GREEK TRANSFERRED FROM OTHER INSTITUTIONS IS NOT COUNTED TOWARD A MAJOR OR MINOR UNTIL AFTER THE SATISFACTORY COMPLETION OF GREEK 201-202 AND THEN ONLY TO A POSSIBLE MAXIMUM OF EIGHT HOURS AS THE EQUIVALENT OF GREEK 101-102 AND THREE HOURS AS THE EQUIVALENT OF ONE SEMESTER OF GREEK 391.

COURSES FOR UNDERGRADUATES

GRK 101 ELEMENTARY GREEK.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR GRK 101 WITHOUT GRK 102.
*4 HOURS
03191 LECT-DISC A 8 TUWTHF 362 L H HELLER

COURSES FOR ADVANCED UNDERGRADUATES

GRK 201 SECOND-YEAR GREEK, I.
PREREQUISITE--GRK. 102 OR EQUIVALENT.
4 HOURS
03192 LECT-DISC A 8 TUWTHF 394 L H PHILLIPS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GRK 391 READINGS IN GREEK LITERATURE.
PREREQUISITE--TWO YEARS OF COLLEGE GREEK, CONSENT OF INSTRUCTOR.
*MAY BE REPEATED FOR MAXIMUM OF 12 HOURS CREDIT.
*3 HOURS, OR 3/4 UNIT
03193 LECT-DISC A 11 M W F 362 L H BATEMAN

COURSES FOR GRADUATES

UNLESS OTHERWISE NOTED, THE PREREQUISITE TO ALL COURSES IS THREE YEARS OF COLLEGE GREEK.

GRK 416 THUCYDIDES.
1 UNIT
03194 LECT-DISC 9-1020 TU TH 407 LIB SMITH

GRK 495 BIBLIOGRAPHY AND CRITICISM, I.
SAME AS LAT. 495.
PREREQUISITE--FOUR YEARS OF COLLEGE LATIN OR EQUIVALENT.
1/2 UNIT

03195	LECT-DISC	1	TU TH	407	LIB	OLIVER

GRK 499 THESIS RESEARCH.
SAME AS LAT. 499.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

03196	CONF	ARR				STAFF

HEALTH EDUCATION

DEPARTMENT OFFICE 114 HUFF GYM

COURSES FOR ADVANCED UNDERGRADUATES

H ED 281 FIRST AID.
2 HOURS

03197	LECT-DISC	L	8	TU TH	211	H G	BOYS
03198	LECT-DISC	M	9	TU TH	129	W GYM	COUCH
03199	LECT-DISC	O	1	TU TH	129	W GYM	COUCH
03200	LECT-DISC	R	2	TU TH	211	H G	BELZER

H ED 282 ORGANIZATION OF SCHOOL HEALTH PROGRAMS.
3 HOURS

03201	LECT-DISC	D	11	M W F	207	H G	HOYMAN
03202	LECT-DISC	F	1	M W F	242	BEV HALL	COUCH
03203	LECT-DISC	G	2	M W F	207	H G	CRESWELL

H ED 283 MAN AND HIS DISEASES.
PREREQUISITES--HYG. 104, 110, PHYSL. 103.
2 HOURS

03204	LECT-DISC	M	9	TU TH	211	H G	BOYS

H ED 288 PRINCIPLES OF HEALTH EDUCATION.
PREREQUISITE--H. ED. 282.
3 HOURS

03205	LECT-DISC	B	9	M W F	207A	H G	CRESWELL

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

H ED 390 PUBLIC HEALTH EDUCATION.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN HEALTH EDUCATION
OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

03206	LECT-DISC	4-6	M	128	W GYM	COUCH

COURSES FOR GRADUATES

H ED 400 SCIENTIFIC FOUNDATIONS OF HEALTH EDUCATION.
PREREQUISITE--UNDERGRADUATE COURSES BEYOND THE ELEMENTARY LEVEL IN
THE BIOLOGICAL AND PHYSICAL SCIENCES AND IN HEALTH EDUCATION.
1 UNIT

03207	LECT-DISC	T	4-6	TU	207A	H G	HOYMAN

H ED 490 SEMINAR.
NO CREDIT

03208	LECT-DISC	ARR					BOYS

H ED 493 SPECIAL PROJECTS.
PREREQUISITE--ED. PSY. 390, P.E. 495, AND H. ED. 400 OR EQUIVALENTS, DOCTORAL CANDIDATE.
1/2 OR 1 UNIT

03209	LECT-DISC	ARR	STAFF

H ED 499 THESIS RESEARCH.
1/2 TO 2 UNITS

03210	CONF	ARR	STAFF

HISTORY

DEPARTMENT OFFICE 325 L H

MAJOR--TWENTY HOURS IN HISTORY, INCLUDING AT LEAST TEN HOURS IN COURSES HAVING JUNIOR STANDING AS A PREREQUISITE, AND NOT INCLUDING MORE THAN FOUR HOURS IN COURSES OPEN TO FRESHMEN. THE COURSES OFFERED MUST INCLUDE AT LEAST SIX HOURS IN AMERICAN HISTORY, SIX HOURS IN MODERN EUROPEAN HISTORY SINCE 1500, AND SIX HOURS IN OTHER FIELDS OF HISTORY.

MINORS--TWENTY HOURS, NOT INCLUDING MORE THAN FOUR HOURS OPEN TO FRESHMEN, IN ONE OR TWO OF THE FOLLOWING--ANCIENT OR MODERN LANGUAGE EXCLUDING ELEMENTARY COURSES 101 AND 102, ANTHROPOLOGY, ECONOMICS, ENGLISH AND AMERICAN LITERATURE, GEOGRAPHY, LAW, LIBRARY SCIENCE, PHILOSOPHY, POLITICAL SCIENCE, AND SOCIOLOGY.
ONE OF THE CURRICULA IN LATIN AMERICAN STUDIES, RUSSIAN LANGUAGE AND AREA STUDIES, OR MEDIEVAL CIVILIZATION IS ALSO ACCEPTED AS A SOLE MINOR, EXCLUDING THE COURSES IN HISTORY.

COURSES FOR UNDERGRADUATES

NOTE--D G S 121 AND 122, HISTORY OF CIVILIZATION, ARE ACCEPTED AS SATISFYING THE PREREQUISITE OF A YEAR OF COLLEGE HISTORY IN ALL CASES IN WHICH IT IS REQUIRED.

HIST 111 HISTORY OF MODERN CIVILIZATION TO 1815.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*STUDENTS IN LECT. 1 MUST ELECT A DISCUSSION IN THE A1-K GROUP.
THOSE IN LECT. 2, A DISCUSSION IN THE L-X2 GROUP.
*DISCUSSION &S IS RESERVED FOR JAMES SCHOLARS AND OTHER STUDENTS OF VERY HIGH STANDING.

03211	LECT	I	10	TU TH	112	G H	FRIEDLANDER
03212	DISC	A1	8	W F	433	ARMORY	
03213	DISC	A2	8	W F	430	ARMORY	
03214	DISC	B1	8	W F	333	ARMORY	
03215	DISC	B2	10	W F	133	ARMORY	
03216	DISC	C1	10	W F	106	L H	
03217	DISC	C2	11	W F	433	ARMORY	FRIEDLANDER
03218	DISC	D1	12	W F	433	ARMORY	
03219	DISC	D2	1	W F	333	ARMORY	
03238	DISC	*&S	11	TU TH	433	ARMORY	LEE
03220	DISC	E	12	TU TH	433	ARMORY	
03221	DISC	F	1	TU TH	433	ARMORY	
03222	DISC	G	1	TU TH	430	ARMORY	KARGON
03223	DISC	H	2	TU TH	433	ARMORY	
03224	DISC	J	3	TU TH	433	ARMORY	KARGON
03225	DISC	K	3	M W	433	ARMORY	KLING
03226	LECT	II	1	M W	L H THEATRE		KUISEL
03227	DISC	L	8	TU TH	433	ARMORY	
03228	DISC	M	9	TU TH	433	ARMORY	KUISEL
03229	DISC	N	10	TU TH	433	ARMORY	
03230	DISC	O	11	TU TH	430	ARMORY	NICHOLS
03231	DISC	P	12	TU TH	430	ARMORY	
03232	DISC	R	12	W F	430	ARMORY	
03233	DISC	T	2	W F	433	ARMORY	
03234	DISC	U	1	TU TH	329	ARMORY	
03235	DISC	W	1	TU TH	333	ARMORY	
03236	DISC	X1	2	TU TH	430	ARMORY	
03237	DISC	X2	3	TU TH	430	ARMORY	

HIST 131 HISTORY OF ENGLAND TO 1688.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
•DISC. &S--RESERVED FOR JAMES SCHOLARS AND STUDENTS OF VERY HIGH STANDING.

03239	LECT		11	M W	112	G H		
03240	DISC	A	8	TU TH	333	ARMORY		BELTING
03241	DISC	B	9	TU TH	333	ARMORY		BELTING
03242	DISC	C	9	TU TH	328	ARMORY		
03243	DISC	D	10	TU TH	333	ARMORY		
03244	DISC	E	10	TU TH	430	ARMORY		
03251	DISC	•&S	11	TU TH	333	ARMORY		
03245	DISC	F	11	TU TH	133	ARMORY		
03246	DISC	G	11	TU TH	428	ARMORY		
03247	DISC	H	12	TU TH	333	ARMORY		
03248	DISC	J	2	TU TH	333	ARMORY		
03249	DISC	K	3	TU TH	333	ARMORY		
03250	DISC	L	1	M W	433	ARMORY		

HIST 151 HISTORY OF THE UNITED STATES TO 1865.
PREREQUISITE--SOPHOMORE STANDING.
•CREDIT IS NOT GIVEN FOR BOTH HIST. 151 AND 261.
•4 HOURS

03252	LECT		9	M W	112	G H		MCCOLLEY
03253	DISC	A	8	TU TH	106	L H		
03254	DISC	B	8	TU TH	133	ARMORY		
03255	DISC	C	9	TU TH	133	ARMORY		
03256	DISC	D	9	TU TH	430	ARMORY		
03257	DISC	E	10	TU TH	329	ARMORY		MCCOLLEY
03258	DISC	F	10	TU TH	133	ARMORY		
03259	DISC	G	11	TU TH	106	L H		
03260	DISC	H	1	TU TH	133	ARMORY		
03261	DISC	J	2	TU TH	133	ARMORY		
03262	DISC	K	12	W F	329	ARMORY		
03263	DISC	L	3	M W	329	ARMORY		

HIST 152 HISTORY OF THE UNITED STATES FROM 1865 TO THE PRESENT.
PREREQUISITE--SOPHOMORE STANDING.
•CREDIT IS NOT GIVEN FOR BOTH HIST. 152 AND 262.
•4 HOURS
•STUDENTS IN LECT. 1 MUST ELECT A DISCUSSION IN THE A-L GROUP, THOSE IN LECT. 2, A DISCUSSION IN THE M-W GROUP.

03264	LECT	I	8	M W	112	G H		GRAEBNER
03265	DISC	A	8	TU TH	428	ARMORY		
03266	DISC	B	8	TU TH	430	ARMORY		
03267	DISC	C	8	TU TH	328	ARMORY		
03268	DISC	D	9	TU TH	428	ARMORY		
03269	DISC	E	10	TU TH	428	ARMORY		
03270	DISC	F	10	TU TH	328	ARMORY		
03271	DISC	G	11	TU TH	328	ARMORY		
03272	DISC	H	12	TU TH	428	ARMORY		
03273	DISC	J	1	TU TH	328	ARMORY		
03274	DISC	K	2	TU TH	328	ARMORY		
03275	DISC	L	10	W F	329	ARMORY		
03276	LECT	II	2	M W	112	G H		HOLLINGSWORTH
03277	DISC	M	12	TU TH	329	ARMORY		
03278	DISC	N	1	TU TH	106	L H		
03279	DISC	O	2	TU TH	428	ARMORY		
03280	DISC	P	3	TU TH	329	ARMORY		
03281	DISC	R	10	TU TH	106	L H		
03282	DISC	S	8	W F	133	ARMORY		
03283	DISC	T	9	W F	133	ARMORY		
03284	DISC	U	1	W F	106	L H		
03285	DISC	W	3	M W	428	ARMORY		

HIST 181 THE ANCIENT WORLD.
PREREQUISITE--SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR.
3 HOURS

03286	LECT		2	M W	106	L H		STARR
03287	DISC	A	3	TH	133	ARMORY		
03288	DISC	B	2	F	106	L H		
03289	DISC	C	3	F	329	ARMORY		

COURSES FOR ADVANCED UNDERGRADUATES

NOTE--JUNIOR STANDING IS REQUIRED EXCEPT WHERE NOTED.

HIST 209 THE NEAR EAST FROM MOHAMMED TO NAPOLEON.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY.
2 HOURS

03290	LECT		8	TU TH	329	ARMORY	DAWN

HIST 211 THE CONTEMPORARY WORLD--POLITICAL, IDEOLOGICAL, AND INTERNATIONAL FORCES.
3 HOURS

03291	LECT		9	M W F	223	G H	FRIEDLANDER

HIST 213 HISTORY OF EAST ASIA TO 1800.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS

03292	LECT		9	M W F	433	ARMORY	WILSON

HIST 219 TSARIST RUSSIA--ITS BACKGROUND, EXPANSION, AND PROBLEMS TO 1855.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, OR CONSENT OF INSTRUCTOR.
3 HOURS

03293	LECT		2	M W F	223	G H	CRUMMEY

HIST 261 THE FIRST CENTURY OF THE AMERICAN REPUBLIC.
*CREDIT IS NOT GIVEN FOR BOTH HIST. 151 AND 261.
*3 HOURS
*LECT. A IS AN ACCELERATED SECTION FOR TEACHER TRAINEES. IT IS OPEN ONLY TO STUDENTS TAKING ED. 241 AND 242, AND WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

03294	LECT		9	M W F	213	G H	HYMAN
03295	LECT	*A	1	MTUWTHF	428	ARMORY	WALLER

HIST 271 FRENCH COLONIZATION OF NORTH AMERICA, 1500 TO 1778.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY.
3 HOURS

03296	LECT		11	TU	401	L H	BELTING
03296	DISC		10-12	TH	401	L H	BELTING

HIST 291 HISTORY OF LAND WARFARE.
3 HOURS

03297	LECT		1	M W F	328	ARMORY	NOWELL

HIST 293 THESIS.
PREREQUISITE--HISTORY MAJOR WITH SENIOR STANDING AND A 4.0 GRADE-POINT AVERAGE, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 6 HOURS.
*3 HOURS

03298	CONF	&	ARR				MCCOLLEY AND OTHERS

HIST 295 READING COURSE.
PREREQUISITE--JUNIOR OR SENIOR OF HIGH STANDING.
2 TO 4 HOURS

03299	CONF	&	ARR				MCCOLLEY AND OTHERS

HIST 297 HISTORY AND HISTORIANS.
PREREQUISITE--SENIOR STANDING AND CONSENT OF INSTRUCTOR.
2 HOURS

03300	LECT		1	TU TH	394	L H	SIRICH

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ONE YEAR OF COLLEGE HISTORY IS REQUIRED EXCEPT WHERE NOTED.

HIST 301 THE MIDDLE AGES, 400 TO 1100 A. D.
3 HOURS, OR 1/2 OR 1 UNIT

03301	LECT		9	M W F	328	ARMORY	GEANAKOPLOS

HIST 303 HISTORY OF BYZANTINE CIVILIZATION.
3 HOURS, OR 1/2 OR 1 UNIT

03302	LECT	9	TU TH	329	ARMORY	GEANAKOPLOS
03302	DISC	2	TH	329	ARMORY	GEANAKOPLOS

HIST 305 THE AGE OF THE RENAISSANCE.
3 HOURS, OR 1/2 OR 1 UNIT

03303	LECT	11	M W F	328	ARMORY	GEANAKOPLOS

HIST 307 CLASSICAL ISLAM--THE NEAR EAST FROM MOHAMMED TO THE CRUSADES.
3 HOURS, OR 1/2 OR 1 UNIT

03304	LECT	8	M W F	329	ARMORY	DAWN

HIST 311 EUROPEAN HISTORY FROM 1815 TO 1871.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, POLITICAL SCIENCE, OR ECONOMICS.
3 HOURS, OR 1/2 OR 1 UNIT

03305	LECT	9	M W F	329	ARMORY	NICHOLS

HIST 313 EUROPEAN HISTORY FROM 1918 TO 1939.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE, OR ECONOMICS.
3 HOURS, OR 1/2 OR 1 UNIT

03306	LECT	9	M W F	106	L H	KUISEL

HIST 318 MODERN EUROPEAN INTERNATIONAL RELATIONS, 1789 TO 1890.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03307	LECT	11	M W F	430	ARMORY	SCHROEDER

HIST 320 RUSSIA FROM THE EARLIEST TIMES TO PETER THE GREAT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 OR 1 UNIT

03308	LECT	9	M W F	43	ILIR	CRUMMEY

HIST 323 INTELLECTUAL HISTORY OF MODERN EUROPE, 1513-1770.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03309	LECT	11	M W F	333	ARMORY	SIRICH

HIST 326 INTELLECTUAL AND CULTURAL HISTORY OF RUSSIA FROM 1881 TO THE PRESENT.
PREREQUISITE--1 YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03310	LECT	11	M W F	133	ARMORY	

HIST 327 THE RUSSIAN REVOLUTION.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03311	LECT	2	M W F	328	ARMORY	

HIST 333 GREAT BRITAIN UNDER THE TUDORS AND STUARTS, 1485-1688.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03312	LECT	11	M W F	428	ARMORY	LEE

HIST 341 MODERN BRITAIN, THE VICTORIAN ERA, 1815-1900.
3 HOURS, OR 1/2 OR 1 UNIT

03313	LECT	10	M W F	333	ARMORY	

HIST 347 THE EMERGENCE OF MODERN SCIENCE TO THE AGE OF NEWTON.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR PHILOSOPHY OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 OR 1 UNIT

03314	LECT	1	M W F	430	ARMORY	KARGON

HIST 352 COLONIAL BEGINNINGS OF AMERICAN LIFE AND INSTITUTIONS.
3 HOURS, OR 1/2 OR 1 UNIT

03315	LECT	9	M W F	428	ARMORY	STEARNS

HIST 355 FEDERALISTS, JEFFERSONIANS, AND THE ERA OF GOOD FEELINGS.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03316	LECT	2	M	W	F	333	ARMORY	MCCOLLEY

HIST 356 HISTORY OF THE UNITED STATES FROM JACKSON TO THE CIVIL WAR.
3 HOURS, OR 1/2 OR 1 UNIT

03317	LECT	10	M	W	F	223	G H	JOHANNSEN

HIST 357 SOCIAL AND ECONOMIC HISTORY OF THE UNITED STATES, 1775 TO 1860.
3 HOURS, OR 1/2 OR 1 UNIT

03318	LECT	9	M	W	F	333	ARMORY	SPENCE

HIST 361 HISTORY OF THE UNITED STATES, 1877 TO 1917.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, POLITICAL SCIENCE, OR ECONOMICS.
3 HOURS, OR 1/2 OR 1 UNIT

03319	LECT	8	M	W	F	328	ARMORY	BATES

HIST 363 AMERICAN POLITICAL PARTIES TO 1888.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03320	LECT	10	M	W	F	328	ARMORY	HOLLINGSWORTH

HIST 368 HISTORY OF THE SOUTH.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03321	LECT	10	M	W	F	428	ARMORY	BATES

HIST 369 CONSTITUTIONAL DEVELOPMENT OF THE UNITED STATES TO 1865.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT

03322	LECT	11	M	W	F	329	ARMORY	HYMAN

HIST 373 DIPLOMATIC HISTORY OF THE UNITED STATES TO THE END OF THE NINETEENTH CENTURY.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT

03323	LECT	10	M	W	F	112	G H	GRAEBNER

HIST 375 HISTORY OF LATIN AMERICA TO 1824.
3 HOURS, OR 1/2 OR 1 UNIT

03324	LECT	2	M	W	F	428	ARMORY	NOWELL

HIST 381 ANCIENT GREEK STATES.
3 HOURS, OR 1/2 OR 1 UNIT

03325	LECT	10	M	W	F	430	ARMORY	STARR

HIST 387 INDIAN HISTORY AND CIVILIZATION TO 1707.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03326	LECT	2	M	W	F	329	ARMORY	KLING

HIST 391 A HISTORY OF CHINA TO 906 A. D.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03327	LECT	10	M	W	F	433	ARMORY	

HIST 393 CHINESE INTELLECTUAL HISTORY FROM EARLIEST TIMES TO PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03328	LECT	3	M	W	F	328	ARMORY	

HIST 395 A HISTORY OF JAPAN TO 1867.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 OR 1 UNIT

03329	LECT	2	M	W	F	430	ARMORY	WILSON

HIST 409 EARLY MODERN EUROPE TO 1815.
1 UNIT

03330	DISC		3-5	TH	303	ARMORY	LEE

HIST 411 THE FRENCH REVOLUTION AND NAPOLEON.
1 UNIT

03331	DISC		3-5	TU	303	ARMORY	SIRICH

HIST 415 SEMINAR IN THE HISTORY OF EUROPE SINCE 1815.
1 UNIT

03332	DISC		1-3	W	303	ARMORY	NICHOLS

HIST 452 SEMINAR IN AMERICAN HISTORY.
1 UNIT

03333	DISC		2-4	M	303	ARMORY	JOHANNSEN

HIST 456 SEMINAR IN AMERICAN DIPLOMATIC HISTORY.
1 UNIT

03334	DISC		2-4	F	303	ARMORY	GRAEBNER

HIST 457 SEMINAR IN EARLY AMERICAN HISTORY BEFORE 1763.
PREREQUISITE--GRADUATE STANDING, CONSENT OF INSTRUCTOR.
1 UNIT

03335	DISC		1-3	TU	303	ARMORY	STEARNS

HIST 472 SEMINAR IN THE INTELLECTUAL AND CONSTITUTIONAL HISTORY OF THE UNITED STATES.
1 UNIT

03336	DISC		1-3	TH	303	ARMORY	SOLBERG

HIST 476 SEMINAR IN LATIN-AMERICAN HISTORY--THE REVOLUTIONARY PERIOD.
1 UNIT

03337	DISC		4-6	F	303	ARMORY	NOWELL

HIST 482 SEMINAR IN ANCIENT HISTORY.
1 UNIT

03338	DISC		4-6	M	303	ARMORY	STARR

HIST 495 HISTORICAL METHOD.
1 UNIT
*LECTURE A IS FOR AMERICAN HISTORY STUDENTS.
*LECTURE B FOR NON-AMERICAN HISTORY STUDENTS.

03339	LECT	*A	3-5	TU	328	ARMORY	SPENCE
03340	LECT	*B	3-5	TH	328	ARMORY	SCHROEDER

HIST 497 READING COURSE.
PREREQUISITE--MASTERS DEGREE OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

03341	CONF		ARR				STAFF

HIST 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

03342	CONF		ARR				STAFF

HISTORY AND PHILOSOPHY OF EDUCATION

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR ADVANCED UNDERGRADUATES

HP ED 201 FOUNDATIONS OF AMERICAN EDUCATION.
PREREQUISITE--EL. ED. 101 OR SE. ED. 101 OR VO. TEC. 101, PSYCH. 100
2 HOURS
*HONORS SECTION. RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED THE CONSENT OF THE INSTRUCTOR.

03343	LECT	1	9	TU	103	M H		BROUDY
03344	LECT	2	9	TU	100	G H		BROUDY
03345	LECT	3	11	TU	103	M H		BROUDY
03366	DISC	*&1	9	TH	162	EDUC		
03346	DISC	2	10	TU	166	EDUC		
03347	DISC	3	10	W	166	EDUC		
03348	DISC	4	10	TH	166	EDUC		
03349	DISC	5	10	F	166	EDUC		
03350	DISC	6	11	TU	1	EDUC		
03351	DISC	7	11	TU	28	EDUC		
03352	DISC	8	11	TH	1	EDUC		
03353	DISC	9	11	TH	28	EDUC		
03354	DISC	10	12	TU	1	EDUC		
03355	DISC	11	12	TH	1	EDUC		
03356	DISC	12	12	TH	166	EDUC		
03357	DISC	13	1	TU	28	EDUC		
03358	DISC	14	1	TH	28	EDUC		
03359	DISC	15	1	TH	147	ARMORY		
03360	DISC	16	2	TU	28	EDUC		
03361	DISC	17	12	TU	162	EDUC		
03362	DISC	18	2	TU	337	ARMORY		
03363	DISC	19	2	TH	28	EDUC		
03364	DISC	20	2	TH	147	ARMORY		
03365	DISC	21	3	TU	389	EDUC		

HP ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

03367	CONF	&A	ARR					STAFF

HP ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

03368	CONF	&A	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HP ED 301 PHILOSOPHY OF EDUCATION.
2 HOURS, OR 1/2 UNIT

03369	LECT-DISC		4-6	M	162	EDUC		STANLEY

HP ED 302 HISTORY OF AMERICAN EDUCATION.
2 HOURS, OR 1/2 UNIT

03370	LECT-DISC		4-6	TH	162	EDUC		A W ANDERSON

HP ED 303 COMPARATIVE EDUCATION.
2 HOURS, OR 1/2 UNIT

03371	LECT-DISC		430-630	W	166	EDUC		KAULFERS

HP ED 304 SOCIAL FOUNDATIONS OF EDUCATION.
2 HOURS, OR 1/2 UNIT

03372	LECT-DISC	A	4-6	M	1	EDUC		PALMER
03373	LECT-DISC	B	4-6	TU	162	EDUC		STANLEY
03374	LECT-DISC	C	1-3	TH	2	EDUC		PALMER
03375	LECT-DISC	D	7-9PM	W	162	EDUC		PALMER
03376	LECT-DISC	S	11-1	S	166	EDUC		J R BURNETT

HP ED 305 HISTORY OF EDUCATIONAL IDEAS.
2 HOURS, OR 1/2 UNIT

03377	LECT-DISC	A	7-9PM	M		166	EDUC	MCMURRAY
03378	LECT-DISC	B	1-3		TU	162	EDUC	
03379	LECT-DISC	C	4-6		TH	192	EDUC	KAULFERS
03380	LECT-DISC	S	9-11		S	166	EDUC	

COURSES FOR GRADUATES

HP ED 400 PROBLEMS OF EDUCATIONAL THEORY.
PREREQUISITE--HP. ED. 301.
1 UNIT

03381	LECT-DISC	7-9PM	TH	389	EDUC	MCMURRAY

HP ED 401 MODERN THEORIES OF EDUCATION.
1 UNIT

03382	LECT-DISC	7-9PM	TU	389	EDUC	STANLEY

HP ED 402 EDUCATIONAL MOVEMENTS IN THE TWENTIETH CENTURY.
PREREQUISITE--HP. ED. 300, OR 302, OR 403, OR CONSENT OF INSTRUCTOR.
1 UNIT

03383	LECT-DISC	7-9PM	W	33	EDUC	A W ANDERSON

HP ED 405 FOUNDATIONS OF AESTHETIC EDUCATION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03384	LECT-DISC	4-6	TH	33	EDUC	BROUDY

HP ED 408 ADVANCED PHILOSOPHY OF EDUCATION, I.
PREREQUISITE--HP. ED. 301 OR ADVANCED GRADUATE STANDING, CONSENT OF INSTRUCTOR.
1 UNIT

03385	LECT-DISC	7-9PM	M	389	EDUC	BROUDY, J R BURNETT

HP ED 410 SEMINAR IN THEORIES OF EDUCATIONAL AND SOCIAL CHANGE.
ONLY OPEN TO CANDIDATES FOR THE ED. D. OR PH. D. IN EDUCATION.
1 UNIT

03386	LECT-DISC	A	1-3	M		33	EDUC	STANLEY, J R BURNETT
03387	LECT-DISC	B	1-3		TU	33	EDUC	SMITH, PALMER

HP ED 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
*1/2 OR 1 UNIT

03388	CONF	ARR	GRADUATE STAFF

HP ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

03389	CONF	ARR	GRADUATE STAFF

HP ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

03390	CONF	ARR	GRADUATE STAFF

HOME ECONOMICS

DEPARTMENT OFFICE 260 B H

NOTE--HOME ECONOMICS COURSES DESIGNED PARTICULARLY FOR NON-MAJOR STUDENTS AND NOT FULFILLING THE REQUIREMENTS FOR A MAJOR IN HOME ECONOMICS ARE HOME ECON. 120, 125, 193, 196, AND 271.

OTHER HOME ECONOMICS COURSES ARE ALSO OPEN TO NON-MAJORS WHO HAVE THE PREREQUISITES LISTED FOR THE COURSE AND THE CONSENT OF THE INSTRUCTOR. STUDENTS ARE REFERRED PARTICULARLY TO H.EC. 105, 132, 133, 160, 171, 182, 183, 184, 202, 210, 260, 263, 270, 285, 286, AND 305.

COURSES FOR UNDERGRADUATES

H EC 100 ORIENTATION TO HOME ECONOMICS.
REQUIRED OF ALL STUDENTS WHO ENTER THE DEPARTMENT WITH LESS THAN FORTY-FIVE HOURS CREDIT.
1 HOUR

03391	LECT		10	F	180	BEV HALL	
03392	DISC	A	10	M	282	BEV HALL	
03393	DISC	B	1	TU	282	BEV HALL	
03394	DISC	C	2	TU	282	BEV HALL	
03395	DISC	D	10	W	282	BEV HALL	

H EC 105 CHILD AND FAMILY.
4 HOURS

03396	LECT	A	8	M W F	242	BEV HALL	ONEILL
03397	LAB	A1	9-11	TU	12	C D	ONEILL
03398	LAB	A2	9-11	W	12	C D	ONEILL
03399	LECT	B	8	M W F	12	C D	MILLS
03400	LAB	B1	9-11	TH	12	C D	MILLS
03401	LAB	B2	9-11	F	12	C D	MILLS

H EC 120 ELEMENTARY NUTRITION.
FOR NON-HOME ECONOMICS MAJORS. PREREQUISITE--SOPHOMORE STANDING.
2 HOURS

03402	LECT-DISC		1	TU TH	328	BEV HALL	LAFONT

H EC 125 FOOD SELECTION AND PREPARATION.
FOR NON-HOME ECONOMICS MAJORS. PREREQUISITE--SOPHOMORE STANDING.
3 HOURS

03403	LECT		12	F	242	BEV HALL	LAMKIN
03404	LAB	A	10-12	M W	338	BEV HALL	LAMKIN
03405	LAB	B	1-3	TU TH	338	BEV HALL	LAMKIN

H EC 132 FOODS AND NUTRITION.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 101 OR 102, OR 111.
3 HOURS

03406	LAB-DISC	A	8-10	M W	358	BEV HALL	NYHOLM
		A	8-10	F	328	BEV HALL	NYHOLM
03407	LAB-DISC	B	8-10	M W	376	BEV HALL	SCHAFFNER
		B	8-10	F	282	BEV HALL	SCHAFFNER
03408	LAB-DISC	C	10-12	M W	376	BEV HALL	SCHAFFNER
		C	10-12	F	328	BEV HALL	SCHAFFNER
03409	LAB-DISC	D	1-3	M W	376	BEV HALL	LAFONT
		D	1-3	F	328	BEV HALL	LAFONT

H EC 133 FOOD MANAGEMENT.
PREREQUISITE--H. EC. 132.
2 HOURS
*CLASS IS HELD DURING NOON HOURS ONLY WHEN MEALS ARE SERVED.

03410	LAB-DISC	A	1-3	M	358	BEV HALL	NYHOLM
		A	*12-3	W	358	BEV HALL	NYHOLM
03411	LAB-DISC	B	10-12	TU	358	BEV HALL	NYHOLM
		B	*10-1	TH	358	BEV HALL	NYHOLM
03412	LAB-DISC	C	1-3	TU	376	BEV HALL	SCHAFFNER
		C	*12-3	TH	376	BEV HALL	SCHAFFNER

H EC 160 THE HOME AND ITS FURNISHINGS.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN H. EC. 253.
*4 HOURS

03413	LECT		9	TU TH	135	A S L		BANNER
03414	LAB	A	10-12	M W	234	BEV HALL		
03415	LAB	B	1-3	M W	234	BEV HALL		
03416	LAB	C	3-5	M W	234	BEV HALL		
03417	LAB	D	10-12	TU TH	234	BEV HALL		
03418	LAB	E	1-3	TU TH	234	BEV HALL		BANNER
03419	LAB	F	3-5	TU TH	234	BEV HALL		

H EC 171 HOME MANAGEMENT.
2 HOURS
*SECTION A RESERVED FOR SOPHOMORES AND JUNIORS.

03420	LECT		9	F	135	A S L		GOODYEAR
03424	DISC	*A	8-10	M	282	BEV HALL		GOODYEAR
03421	DISC	B	8-10	W	282	BEV HALL		GOODYEAR
03422	DISC	C	3-5	TU	282	BEV HALL		HERNDON
03423	DISC	D	1-3	TH	282	BEV HALL		HERNDON

H EC 182 CLOTHING LABORATORY.
2 HOURS
*SECTIONS B AND D ARE RESERVED FOR STUDENTS WITH FORMAL TRAINING IN CLOTHING CONSTRUCTION IN EITHER HIGH SCHOOL OR 4-H WORK.

03425	LAB	A	1-3	M W	122	BEV HALL		ZWOLANEK
03427	LAB	*B	3-5	M W	122	BEV HALL		ZWOLANEK
03426	LAB	C	10-12	TU TH	122	BEV HALL		
03428	LAB	*D	3-5	TU TH	122	BEV HALL		

H EC 183 CONSUMER TEXTILES.
2 HOURS

03429	LAB	A	10-12	M W	208	BEV HALL		TREBILCOCK
03430	LAB	B	1-3	M W	208	BEV HALL		TREBILCOCK
03431	LAB	C	3-5	M W	208	BEV HALL		
03432	LAB	D	10-12	TU TH	208	BEV HALL		
03433	LAB	E	1-3	TU TH	208	BEV HALL		

H EC 184 CLOTHING SELECTION.
PREREQUISITE--CREDIT OR REGISTRATION IN ART 185.
2 HOURS

03434	LAB	A	8-10	M W	132	BEV HALL		STREET
03435	LAB	B	10-12	TU TH	132	BEV HALL		
03436	LAB	C	1-3	TU TH	132	BEV HALL		
03437	LAB	D	3-5	TU TH	132	BEV HALL		ANSPACH

H EC 193 DECORATIVE PROCESSES.
FOR STUDENTS IN THE OCCUPATIONAL THERAPY CURRICULUM ONLY.
3 HOURS

03438	LAB		8-11	TU TH	108	BEV HALL		STREET

H EC 196 WEAVING.
3 HOURS

03439	LAB		2-5	TU TH	174	BEV HALL		STREET

COURSES FOR ADVANCED UNDERGRADUATES

H EC 202 LABORATORY IN CHILD DEVELOPMENT.
PREREQUISITE--H. EC. 105, PSYCH. 100 OR 103.
2 HOURS

03440	LECT		3	M W	12	C D		MARTIN
03441	LAB	A	9	TU TH	219	C D		NURSERY SCHOOL
03442	LAB	B	11	TU TH	219	C D		STAFF
03443	LAB	C	9	W F	219	C D		
03444	LAB	D	11	W F	219	C D		

H EC 203 CHILD DEVELOPMENT--PERIOD OF INFANCY AND EARLY CHILDHOOD.
PREREQUISITE--H. EC. 105 OR PSYCH. 216.
4 HOURS

03445	LECT		2	M W F	12	C D		ONEILL
03445	LAB		10-12	F	154	BEV HALL		

H EC 210 FAMILY RELATIONSHIPS.
3 HOURS

03446	LECT	A	11	M W F	12	C D			CLARK
03447	LECT	B	1	M W F	12	C D			CLARK

H EC 220 DIETETICS.
PREREQUISITE--CHEM. 132 OR 133, H. EC. 133, PHYSL. 103.
3 HOURS

03448	LECT		1	M	328	BEV HALL			BROWN
03449	QUIZ	1	10	TU	328	BEV HALL			
03450	QUIZ	2	1	F	449	BEV HALL			
03451	LAB	A	10-12	TH	338	BEV HALL			
03452	LAB	B	1-3	W	338	BEV HALL			

H EC 231 FOODS.
PREREQUISITE--CHEM. 132, 133, OR 234, H. EC. 133.
3 HOURS

03453	LECT		10	F	242	BEV HALL			JANSSEN
03454	LAB	A	9-12	TU TH	362	BEV HALL			LAFONT
03455	LAB	B	1-4	TU TH	362	BEV HALL			JANSSEN

H EC 240 QUANTITY FOOD PRODUCTION AND SERVICE.
PREREQUISITE--FOOD HANDLERS CERTIFICATE, ECON. 108, H. EC. 231,
CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH H. EC. 240 AND 351.
*3 OR 5 HOURS
*DAYS FOR THE LAB SECTION TO BE ARRANGED.

03456	LECT		4	W	291	BEV HALL			HUNZICKER
03458	LAB	A	8-1230	M W F	292	BEV HALL			HOUSE,
03459	LAB	B	8-1230	TU TH	292	BEV HALL			HUNZICKER
03457	LAB	C	*8-1230		292	BEV HALL			

H EC 260 PERIOD STYLES IN HOME FURNISHINGS.
PREREQUISITE--ART 185 OR EQUIVALENT.
3 HOURS

03460	LECT		10	M W	242	BEV HALL			BANNER
03460	LAB		10-12	F	222	BEV HALL			BANNER

H EC 262 THE HOME AND ITS FURNISHINGS.
PREREQUISITE--ART 186 OR EQUIVALENT, H. EC. 160 AND 260.
FIELD TRIP, ESTIMATED EXPENSE, $10.
3 HOURS

03461	LAB-DISC		2-5	M W	222	BEV HALL			BANNER

H EC 270 FAMILY FINANCIAL MANAGEMENT.
PREREQUISITE--ECON. 102 AND 103 OR 108, H. EC. 171.
3 HOURS

03462	LECT		9	M W F	242	BEV HALL			GUTHRIE

H EC 271 HOME MANAGEMENT.
FOR NON-HOME ECONOMICS MAJORS.
2 HOURS

03463	LECT-DISC		11	TU TH	242	BEV HALL			GUTHRIE

H EC 273 HOME MANAGEMENT.
PREREQUISITE--ECON. 102 AND 103, OR 108, H. EC. 105, 133,
160, 171, 183, 184, CONSENT OF INSTRUCTOR.
3 HOURS
*ADDITIONAL HOURS TO BE ARRANGED.
STUDENTS RESIDE IN HOME MANAGEMENT HOUSE FOR FOUR WEEKS
DURING THE SEMESTER.

03464	LECT-DISC		10	TU TH	154	BEV HALL			GUTHRIE
03464	LAB		1-3	TU TH	1202	W GREEN			GUTHRIE
									JESSEE

H EC 281 NON-TEXTILE APPAREL AND ACCESSORY MATERIALS.
PREREQUISITE--H. EC. 183.
2 HOURS

03465	LAB		3-5	TU TH	208	BEV HALL			TREBILCOCK

H EC 285 HISTORY OF COSTUME.
2 HOURS

03466	LECT		9	TU TH	242	BEV HALL			TREBILCOCK

H EC 286 CLOTHING DESIGN--FLAT PATTERN.
PREREQUISITE--ART 186 OR 120, H. EC. 182, 183 AND 184.
3 HOURS

03467	LAB	A	10-12	M W F	108	BEV HALL	ANSPACH
03468	LAB	B	2-5	TU TH	108	BEV HALL	ZWOLANEK

H EC 287 CONSUMER CLOTHING PROBLEMS.
PREREQUISITE--ECON. 108, H. EC. 183 OR 184, PSYCH. 100 OR 103.
SOC. 100.
2 HOURS

03469	LECT		11	TU TH	154	BEV HALL	ZWOLANEK

H EC 290 JUNIOR HONORS SEMINAR--THE FAMILY AND ISSUES IN SOCIETY.
SAME AS AGR. 290.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM
IN AGRICULTURE, HOME ECONOMICS, OR RELATED SCIENCES.
2 HOURS

03470	LECT-DISC	&A	1-3	TH	449	BEV HALL	CLARK MILLS

H EC 291 THESIS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
3 TO 5 HOURS

03471	LECT-DISC	A	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

H EC 301 ADVANCED PROBLEMS IN HOME GUIDANCE OF CHILDREN.
PREREQUISITE--H. EC. 202 AND 203, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
EACH STUDENT ARRANGES FOR ONE LABORATORY PERIOD ON T W T OR F.

03472	LECT-DISC		1	TU TH	12	C D	MOWRER
03473	LAB	A	9-12	TU	109	C D	NURSERY SCHOOL
03474	LAB	B	9-12	W	109	C D	STAFF
03475	LAB	C	9-12	TH	109	C D	
03476	LAB	D	9-12	F	109	C D	

H EC 305 HUMAN HEREDITY.
*GRADUATE CREDIT DOES NOT COUNT TOWARD A MAJOR IN GENETICS.
*3 HOURS, OR 1/2 UNIT

03477	LECT		1	M W F	282	BEV HALL	

H EC 322 PHYSICAL GROWTH AND NUTRITION.
PREREQUISITE--H. EC. 220, SENIOR STANDING, CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

03478	LECT		8	TU TH	449	BEV HALL	BROWN

H EC 330 EXPERIMENTAL FOODS.
PREREQUISITE--H. EC. 231, MCBIO. 100, 101.
*FOR 1 UNIT TWO ADDITONAL HOURS WILL BE SCHEDULED.
*3 HOURS, OR 1/2 OR 1 UNIT

03479	LECT		9	F	449	BEV HALL	JANSSEN
03479	LAB		9-12	M W	362	BEV HALL	

H EC 345 INSTITUTION AND RESTAURANT MANAGEMENT--FOOD PURCHASING AND
EQUIPMENT SELECTION.
PREREQUISITE--ECON. 108, CREDIT OR REGISTRATION IN H. EC. 240.
*CREDIT IN NOT GIVEN FOR BOTH H. EC. 345 AND H. EC. 351.
*3 HOURS, OR 1/2 UNIT

03480	LECT		2	M W F	291	BEV HALL	BONNELL

H EC 370 FAMILY ECONOMICS.
SAME AS AG. EC. 370.
PREREQUISITE--ECON. 102 OR 108, A COURSE IN APPLIED STATISTICS,
SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

03481	LECT		3-430	TU TH	242	BEV HALL	DUNSING

H EC 375 HOME EQUIPMENT.
PREREQUISITE--H. EC. 171, SIX ADVANCED HOURS IN HOME ECONOMICS INCLUDING ONE OF THE FOLLOWING--H. EC. 231, 273, 380, SENIOR STANDING, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03482	LECT-DISC		8	M W	166	BEV HALL	HERNDON
03482	LAB		8-10	TU TH	166	BEV HALL	HERNDON

H EC 378 PROBLEMS IN HOME MANAGEMENT.
PREREQUISITE--H. EC. 270 OR 262, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03483	CONF		ARR				GOODYEAR

H EC 379 PROBLEMS IN FAMILY AND CONSUMPTION ECONOMICS.
PREREQUISITE--ECON. 102 OR 108 AND A COURSE IN APPLIED STATISTICS, H. EC. 370 OR CONSENT OF INSTRUCTOR, SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

03484	CONF	&	ARR				DUNSING

H EC 380 ADVANCED TEXTILES.
PREREQUISITE--CHEM. 132, H. EC. 183.
4 HOURS, OR 1 UNIT

03485	LECT		1-3	F	208	BEV HALL	GALBRAITH
03486	LAB	A	8-10	M W	208	BEV HALL	CROUTHAMEL
03487	LAB	B	1-3	M W	201	BEV HALL	GALBRAITH

H EC 386 PROBLEMS IN TEXTILES AND CLOTHING.
PREREQUISITE--H. EC. 286 OR 380, OR MKTG. 211, MINIMUM GRADE POINT AVERAGE OF 3.5, SENIOR STANDING IN HOME ECONOMICS, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03488	CONF		ARR				ANSPACH, CROUTHAMEL, GALBRAITH, TREBILCOCK

COURSES FOR GRADUATES

H EC 410 PROBLEMS IN FAMILY LIVING.
PREREQUISITE--H. EC. 210.
1 UNIT

03489	LECT		3-5	M W	208	C D	MOWRER

H EC 422 SEMINAR IN NUTRITION.
PREREQUISITE--UNDERGRADUATE DEGREE IN HOME ECONOMICS WITH EMPHASIS ON FOODS AND NUTRITION OR COMPARABLE BACKGROUND IN BIOCHEMISTRY, MICROBIOLOGY, PHYSIOLOGY, OR OTHER BIOLOGICAL SCIENCE.
1/2 OR 1 UNIT

03490	LECT-DISC		ARR		449	BEV HALL	

H EC 430 CARBOHYDRATES IN FOODS.
SAME AS F. S. 430.
PREREQUISITE--CHEM. 354 OR 350 AND 355, OR CONSENT OF INSTRUCTOR.
3/4 UNIT

03491	LECT-DISC		8	M W F	449	BEV HALL	

H EC 487 SEMINAR IN CLOTHING.
PREREQUISITE--UNDERGRADUATE CURRICULUM WITH MAJORS IN TEXTILES AND CLOTHING, HOME ECONOMICS EDUCATION, HOME ECONOMICS EXTENTION OR GENERAL HOME ECONOMICS.
1/2 OR 1 UNIT

03492	DISC		ARR				ANSPACH

H EC 493 ADVANCED STUDIES IN HOME ECONOMICS.
1/2 OR 1 UNIT
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--
A--THE CHILD AND THE FAMILY
B--FAMILY ECONOMICS
C--FOODS
D--NUTRITION
E--TEXTILES AND CLOTHING

03493	DISC		ARR				STAFF

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H EC  499      THESIS RESEARCH.
          0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
          WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--
               A--THE CHILD AND THE FAMILY                    MILLS, MOWRER
               B--FAMILY ECONOMICS                            DUNSING
               C--FOODS                                       VAN DUYNE
               D--NUTRITION                                   SMITH
               E--TEXTILES AND CLOTHING                       GALBRAITH
        03494    CONF            ARR                                          STAFF
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HORTICULTURE

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          DEPARTMENT OFFICE                    124  M H
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COURSES FOR UNDERGRADUATES

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HORT  110      PLANT AND ANIMAL GENETICS.
               SAME AS AN. S., AGRON., AND D. S. 110.
          PREREQUISITE--BOT. 100, ZOOL. 104.
          3 HOURS
          *FOR VETERINARY MEDICINE STUDENTS ONLY
        03495    LECT                2        M  W      135  A S L          D E ALEXANDER
        03496    LAB         1       1-3       TU       W 23  T H           AND OTHERS
        03497    LAB         2       3-5       TU       W 23  T H
        03498    LAB         3       1-3          TH    W 23  T H
        03499    LAB        *4       3-5       M        W 23  T H
        03500    LAB        *5       3-5            F  W 23  T H

HORT  131      ESSENTIALS OF BEEKEEPING.
               SAME AS ENTOM. 131.
          PREREQUISITE--SOPHOMORE STANDING.
          2 HOURS
        03501    LECT                1             TH    106F H F L          JAYCOX
        03501    LAB                 2-4           TH    106F H F L
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COURSES FOR ADVANCED UNDERGRADUATES

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HORT  200      SPECIAL PROBLEMS.
          PREREQUISITE--MINIMUM GRADE POINT AVERAGE OF 3.5.  NOT OPEN TO
          STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND
          HEAD OF DEPARTMENT.  SPECIFIC APPROVAL OF THE ASSOCIATE DEAN
          REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR A THIRD
          SPECIAL PROBLEMS COURSE.
          3 TO 5 HOURS
          WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--
               A--POMOLOGY                          LOTT, SIMONS, TITUS, ZYCH
               B--VEGETABLE CROPS                   ARNOLD, MCCOLLUM, THOMPSON
                                                    VANDEMARK
               C--FLORICULTURE                      BEEVERS, BUTLER,
                                                    CULBERT, FOSLER
                                                    GARTNER, HODGES
                                                    KEMMERER, NELSON
               D--FRUIT BREEDING                    BIRKELAND, DAYTON
               E--APICULTURE                        JAYCOX
        03502    CONF        A     ARR

HORT  221      PLANT PROPAGATION.
          PREREQUISITE--BOT. 100 OR EQUIVALENT.
          3 HOURS
        03503    LECT                1        M     F   103  FLOR            GARTNER
        03504    LAB         A       1-3          W     101  FLOR
        03505    LAB         B       3-5          W     101  FLOR

HORT  225      ORNAMENTAL GARDENING.
          PREREQUISITE--BOT 100 OR CONSENT OF INSTRUCTOR.
          3 HOURS
        03506    LECT               10          TU TH   103  FLOR            KEMMERER
        03507    LAB         A      11          TU TH   101  FLOR
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HORT 231 FLORAL DECORATIONS.
3 HOURS

03508	LECT		2	TU	103	FLOR	CULBERT
03509	LAB	A	3-5	TU TH	101	FLOR	

HORT 233 FLORICULTURE FOR THE HOME.
OPEN ONLY TO NON-FLORICULTURE STUDENTS.
3 HOURS

03510	LECT		9	M W F	103	FLOR	FOSLER

HORT 251 ARBORICULTURE.
PREREQUISITE--AGRON. 101 AND BOT. 230.
3 HOURS

03511	LECT		1	TU TH	103	FLOR	GARTNER
03512	LAB	A	2	TU TH	101	FLOR	

HORT 262 TREE AND SMALL FRUIT CULTURE.
PREREQUISITE--HORT. 100 OR CONSENT OF INSTRUCTOR.
3 HOURS

03513	LECT		1-3	TH	405	M H	SIMONS
03514	LAB	A	1-3	TU	106F	H F L	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HORT 321 FLORICULTURAL PHYSIOLOGY.
PREREQUISITE--BOT. 230 AND 231.
3 HOURS, OR 1/2 UNIT

03515	LECT-DISC	A	2	M W F	103	FLOR	BEEVERS, HODGES

HORT 323 PRINCIPLES OF PLANT BREEDING.
SAME AS AGRON. 323.
PREREQUISITE--BOT. 100, AGRON. 110 OR EQUIVALENT.
4 HOURS, OR 1 UNIT

03516	LECT-DISC		10	M W F	W115	T H	HADLEY, HITTLE,
03516	LAB		1-3	TH	W121	T H	THOMPSON

HORT 335 ECONOMICS OF FOOD DISTRIBUTION.
SAME AS AG. EC. AND MKTG. 335.
PREREQUISITE--ECON. 108, AG. EC. 230 OR MKTG. 101.
3 HOURS, OR 3/4 OR 1 UNIT

03517	LECT-DISC	E	1	M W F	316S	M H	KELLY

COURSES FOR GRADUATES

HORT 440 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, I.
SAME AS AGRON., AN.S., D.S., AND V.M.S. 440.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03518	LECT		9	M W F	W109	T H	JACOB, SEIF
03519	LAB	A	1-3	M	N107	T H	
03520	LAB	B	3-5	M	N107	T H	
03521	LAB	C	1-3	TU	N107	T H	
03522	LAB	D	3-5	TU	N107	T H	

HORT 447 HORTICULTURE SEMINAR.
PREREQUISITE--GRADUATE STANDING IN HORTICULTURE OR ALLIED FIELDS.
1/4 UNIT

03523	LECT-DISC		4	W	103	FLOR	STAFF

HORT 492 SPECIAL TOPICS IN HORTICULTURE.
PREREQUISITE--TWENTY HOURS OF UNDERGRADUATE WORK IN HORTICULTURE AND ALLIED SUBJECTS FOR A MAJOR AND TWELVE HOURS FOR A MINOR.
1/2 TO 2 UNITS

03524	CONF		ARR				STAFF

HORT 499 THESIS RESEARCH.
REQUIRED FOR MAJOR IN HORTICULTURE. PREREQUISITE--TWENTY HOURS OF UNDERGRADUATE WORK IN HORTICULTURE AND ALLIED SUBJECTS FOR A MAJOR AND TWELVE HOURS FOR A MINOR.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--

A--FLORICULTURE	CULBERT, GARTNER, HODGES
B--FRUIT BREEDING	BIRKELAND, DAYTON
C--POMOLOGY	LOTT, SIMONS, TITUS
D--VEGETABLE CROPS	ARNOLD, MCCOLLUM, RHODES, THOMPSON, VANDEMARK

03525	CONF		ARR					STAFF

HUMANITIES

COURSES FOR UNDERGRADUATES

HUMAN 151 THE HUMANITIES IN WESTERN CULTURE, I.
4 HOURS

03526	LECT-DISC	A	8-10	TU TH	240	ADMIN		KURTH
03527	LECT-DISC	B	8-10	W F	240	ADMIN		SHUCARD
03528	LECT-DISC	C	10-12	TU TH	240	ADMIN		HEADINGS
03529	LECT-DISC	D	2-4	TU TH	240	ADMIN		
03530	LECT-DISC	E	2-4	M W	240	ADMIN		HEADINGS

COURSES FOR ADVANCED UNDERGRADUATES

HUMAN 211 THE GROWTH OF AMERICAN CULTURE, I.
PREREQUISITE--JUNIOR STANDING.
4 HOURS

03531	LECT-DISC		4	MTUWTH	196	L H		BOGART, MILLER, BELTING

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HUMAN 363 INTRODUCTION TO COMPARATIVE LITERATURE, I.
3 HOURS, OR 1/2 UNIT

03532	LECT		11	TU TH	196	L H		SMITH, ALLEN, PIETRANGELI
03533	DISC	F1	2	TH	201	E B		HEADINGS
03534	DISC	G1	3	TH	209	L H		HEADINGS

HYGIENE

DEPARTMENT OFFICE HEALTH CENTER

COURSES FOR UNDERGRADUATES

HYG 104 THE SCIENCE OF PERSONAL HEALTH.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS.
INSTRUCTORS TEACHING HYG. 104 ARE AKERS, CAVINS, DUNN, HENDRIX, KIERSCH, MAYNARD, NICHOLS, MILLER, TEIGLER.

03535	LECT	ATV	8	TU	103	M H		
03536	LECT	BTV	12	TU	103	M H		
03537	LECT	CTV	1	TU	103	M H		
03538	LECT	DTV	2	TU	103	M H		
03539	DISC	E	8	F	393	BEV HALL		
03540	DISC	F	9	TH	393	BEV HALL		
03541	DISC	G	9	F	393	BEV HALL		
03542	DISC	H	10	W	393	BEV HALL		
03543	DISC	I	10	F	393	BEV HALL		

HYG 104 CONTINUED

03544	DISC	J	11	W	393	BEV HALL	
03545	DISC	K	11	F	393	BEV HALL	
03546	DISC	L	12	TH	393	BEV HALL	
03547	DISC	M	1	TH	144	BEV HALL	
03548	DISC	N	1	F	393	BEV HALL	
03549	DISC	O	2	TU	393	BEV HALL	
03550	DISC	P	2	W	393	BEV HALL	
03551	DISC	Q	2	TH	393	BEV HALL	
03552	DISC	R	3	TU	393	BEV HALL	
03553	DISC	S	3	TH	393	BEV HALL	
03554	DISC	T	4	TU	393	BEV HALL	
03555	DISC	U	4	TH	393	BEV HALL	

HYG 110 PUBLIC HEALTH.
PREREQUISITE--TWO HOURS CREDIT IN HYGIENE OR SOPHOMORE STANDING.
FIELD TRIPS.
2 HOURS

03556	LECT-DISC	A	10	TU TH	393	BEV HALL	DUNN
03557	LECT-DISC	B	11	TU TH	393	BEV HALL	DUNN

COURSES FOR ADVANCED UNDERGRADUATES

HYG 200 MENTAL HEALTH.
2 HOURS

03558	LECT-DISC	A	8	TU TH	393	BEV HALL	YOUNG
03559	LECT-DISC	B	1	M W	393	BEV HALL	LITTLE

HYG 206 SEX EDUCATION AND FAMILY LIFE.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
INSTRUCTORS TEACHING HYG. 206 ARE AKERS, BENTZ, CAVINS, MILLER, NICHOLS, AND TEIGLER.

03560	LECT-DISC	A	8	M W	393	BEV HALL	
03561	LECT-DISC	B	9	M W	393	BEV HALL	
03562	LECT-DISC	C	10	TU TH	144	BEV HALL	
03563	LECT-DISC	D	11	TU TH	144	BEV HALL	
03564	LECT-DISC	E	1	TU TH	393	BEV HALL	
03565	LECT-DISC	F	3	M W	393	BEV HALL	
03566	LECT-DISC	G	4	M W	393	BEV HALL	

HYG 216 MEDICAL TERMINOLOGY CORRELATED WITH COMMUNITY HEALTH PROBLEMS.
PREREQUISITE--JUNIOR STANDING, ENROLLMENT IN THE OCCUPATIONAL THERAPY CURRICULUM.
3 HOURS

03567	LECT-DISC	A	1	M W F	144	BEV HALL	TEIGLER

INDUSTRIAL ENGINEERING

DEPARTMENT OFFICE 144 M E B

COURSES FOR ADVANCED UNDERGRADUATES

I E 230 LABOR RELATIONS.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING OR CONSENT OF INSTRUCTOR.
3 HOURS

03568	LECT-DISC	P	10	M W F	110	M E B

I E 232 METHODS-TIME ANALYSIS.
PREREQUISITE--M. E. 183 AND 186, OR EQUIVALENT, JUNIOR STANDING.
*CREDIT IS NOT GIVEN IN BOTH I. E. 232 AND MGMT. 221.
*3 HOURS

03569	LAB-DISC	P	1-3	M W	235	M E B

I E 233 INDUSTRIAL QUALITY CONTROL.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

03570	LAB-DISC	P	2	M	W	F	243	M	E	B

I E 235 INDUSTRIAL SAFETY.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

03571	LECT-DISC	P	10	M	W	F	235	M	E	B

I E 237 MANUFACTURING ORGANIZATION AND OPERATION.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING.
*CREDIT IS NOT GIVEN IN BOTH I. E. 237 AND MGMT. 101.
*3 HOURS

03572	LECT	P	11		W		253	M	E	B
03573	DISC	P1	11	M		F	253	M	E	B
03574	DISC	P2	11	M		F	236	M	E	B
03575	LECT	Q	2		W		253	M	E	B
03576	DISC	Q1	2	M		F	253	M	E	B
03577	DISC	Q2	2	M		F	143B	M	E	B
03578	LECT	R	3		W		253	M	E	B
03579	DISC	R1	3	M		F	253	M	E	B
03580	DISC	R2	3	M		F	135	M	E	B

I E 282 PROCESS PLANNING AND ECONOMY IN MANUFACTURING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, M. E. 186 OR EQUIVALENT.
3 HOURS

03581	LECT	P	1	TU	TH	136	M	E	B
03582	LAB	P1	9-12	TU		135	M	E	B
03583	LAB	P2	2-5	TU		135	M	E	B

I E 283 INDUSTRIAL SYSTEMS ANALYSIS AND DESIGN.
PREREQUISITE--CREDIT OR REGISTRATION IN I. E. 282 AND 286.
3 HOURS

03584	LECT	P	10	M	F	143A	M	E	B
03584	LAB	P	2-5		TH	243	M	E	B

I E 286 OPERATIONS ANALYSIS.
PREREQUISITE--I E 232 AND 237, MATH 263.
3 HOURS

03585	LECT-DISC	P	9	M	W	F	243	M	E	B

IE 291 SEMINAR.
PREREQUISITE--SENIOR STANDING IN INDUSTRIAL ENGINEERING, MUST BE TAKEN FIRST SEMESTER OF SENIOR YEAR.
NO CREDIT

03586	LECT	P	4	TU		253	M	E	B

I E 293 SPECIAL PROJECTS.
PREREQUISITE--SENIOR STANDING IN INDUSTRIAL ENGINEERING, CONSENT OF HEAD OF DEPARTMENT.
3 HOURS

03587	CONF	P	ARR

I E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS

03588	CONF	&P	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

I E 332 STANDARD TIME SYSTEMS.
PREREQUISITE--I. E. 232.
3 HOURS, OR 3/4 OR 1 UNIT

03589	LECT-DISC		11	M	W	F	235	M	E	B	PIGAGE

I E 333 ENGINEERING APPLICATIONS OF STATISTICS.
PREREQUISITE--MATH. 263 OR MATH. 363.
3 HOURS, OR 3/4 OR 1 UNIT

03590	LECT-DISC		3	M	W	F	243	M	E	B	HENRY

I E 357 SAFETY ENGINEERING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING.
3 HOURS, OR 3/4 OR 1 UNIT
03591 LECT-DISC 8 M W F 236 M E B HARPER

I E 359 INDUSTRIAL FIRE PROTECTION.
PREREQUISITE--CREDIT OR REGISTRATION IN I E 357 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
03592 LECT-DISC 1 M W F 236 M E B HARPER

I E 386 INDUSTRIAL ENGINEERING ANALYSIS.
PREREQUISITE--MATH. 263, I E 286.
3 HOURS, OR 3/4 OR 1 UNIT
03593 LECT-DISC ARR TRIGGER

COURSES FOR GRADUATES

I E 453 WORK-MEASUREMENT.
PREREQUISITE--I E 332.
1 UNIT
03594 LECT-DISC ARR PIGAGE

I E 458 LABORATORY INVESTIGATIONS IN INDUSTRIAL ENGINEERING.
1/2 TO 1 1/2 UNITS
03595 CONF ARR HARPER, HENRY, PIGAGE

ITALIAN

DEPARTMENT OFFICE 224 L H

MAJOR--TWENTY HOURS IN ITALIAN, EXCLUDING ITALIAN 101 AND 102, AND INCLUDING AT LEAST FIVE HOURS FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. HISTORY 217, LINGUISTICS 300 AND ITALIAN 291 AND 292 ARE ACCEPTABLE. ITALIAN 291 AND 292 FOR MAJORS CAN BE ARRANGED FOR ADVANCED GROUP CREDIT.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--
EDUCATION, ENGLISH, EXCLUDING RHET. 101 AND 102, FRENCH, GERMAN, GREEK, HISTORY, LATIN, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, AND SPANISH.

COURSES FOR UNDERGRADUATES

ITAL 101 ELEMENTARY ITALIAN, I.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR ITAL. 101 WITHOUT ITAL. 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TU. 7 P.M., 8 P.M.
03596 LECT-DISC E 1 MTUWTH 4 G H
03597 LECT-DISC F 2 MTUWTH 4 G H
03598 LECT-DISC G 3 MTUWTH 102 L H
03599 LECT-DISC H 4 MTUWTH 102 L H

ITAL 103 INTERMEDIATE ITALIAN, I.
PREREQUISITE--ITAL. 102 OR TWO YEARS OF HIGH SCHOOL ITALIAN.
4 HOURS
03600 LECT-DISC E 1 MTUWTH 170 L H
03601 LECT-DISC F 2 MTUWTH 102 L H

COURSES FOR ADVANCED UNDERGRADUATES

ITAL 291 SENIOR THESIS.
FOR CANDIDATES FOR HONORS IN ITALIAN.
2 HOURS

03602	CONF	GA	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ITAL 311 DANTE--LA DIVINA COMMEDIA.
PREREQUISITE--ITAL. 101 AND 102.
2 HOURS, OR 1/2 UNIT

03603	LECT-DISC		2	TU TH	230	L	H	PIETRANGELI

COURSES FOR GRADUATES

ITAL 415 ITALIAN LITERATURE OF THE RENAISSANCE.
1 UNIT

03604	LECT-DISC		2	M W	223	L	H	PIETRANGELI

ITAL 491 SPECIAL TOPICS IN ITALIAN.
1/2 OR 1 UNIT

03605	CONF		ARR					STAFF

ITAL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 1/2 UNITS

03606	CONF		ARR					KAHANE, SHOEMAKER

JOURNALISM

DEPARTMENT OFFICE 115 G H

COURSES FOR UNDERGRADUATES

JOURN 114 AGRICULTURAL JOURNALISM.
SAME AS AGR. 114.
3 HOURS

03607	LECT-DISC		10	TU TH	442	M	H	EVANS
03608	LAB	1	1	TH	442	M	H	
03609	LAB	2	2	TH	442	M	H	
03610	LAB	3	3	TH	442	M	H	

COURSES FOR ADVANCED UNDERGRADUATES

JOURN 204 TYPOGRAPHY.
3 HOURS
LABORATORIES WILL MEET ON ALTERNATE WEEKS ONLY.

03611	LECT		2	TU TH	223	G	H	HANSON
03612	LAB	A	8-10	F	31	G	H	
03613	LAB	G	3-5	M	31	G	H	
03614	LAB	J	8-10	TU	31	G	H	
03615	LAB	P1	3-5	TU	31	G	H	
03616	LAB	P2	3-5	TH	31	G	H	
03617	LAB	Z1	7-9PM	M	31	G	H	
03618	LAB	Z2	7-9PM	W	31	G	H	

JOURN 211 NEWSWRITING.
3 HOURS

03619	LECT		9	TH	223	G	H	HILDWEIN
03620	LAB	E	1-3	M W	25	G	H	
03621	LAB	G	3-5	M W	25	G	H	
03622	LAB	L	10-12	TU TH	25	G	H	
03623	LAB	N	1-3	TU TH	25	G	H	
03624	LAB	P	3-5	TU TH	25	G	H	

JOURN 212 PUBLIC AFFAIRS REPORTING.
PREREQUISITE--JOURN. 211.
3 HOURS
*SIX ADDITIONAL HOURS TO BE ARRANGED.

03625	LECT		*9	TU TH	113	G H		GRAHAM

JOURN 215 CONTEMPORARY AFFAIRS.
2 HOURS

03626	LECT-DISC		2	TU TH	430	G H		GRAHAM

JOURN 217 HISTORY OF JOURNALISM--UNITED STATES.
3 HOURS

03627	LECT-DISC		11	M W F	113	G H		KENYON

JOURN 220 PROCESSES AND SYSTEMS OF COMMUNICATION.
SAME AS COMM. 220.
3 HOURS

03628	LECT-DISC		10	M W F	113	G H		CAREY

JOURN 223 PHOTO-JOURNALISM.
COST OF MATERIALS APPROXIMATELY $15 PER STUDENT. CAMERAS ARE PROVIDED BY THE COLLEGE. PREREQUISITE--REGISTRATION IN COLLEGE OF JOURNALISM AND COMMUNICATIONS OR CONSENT OF INSTRUCTOR.
3 HOURS

03629	LECT		10	F	9	G H		HILDWEIN
03630	LAB	N	1-5	TU	13	G H		

JOURN 231 MASS COMMUNICATIONS IN A DEMOCRATIC SOCIETY.
3 HOURS

03631	LECT-DISC	D	11	M W F	123	G H		PETERSON
03632	LECT-DISC	E	1	M W F	123	G H		CAREY

JOURN 291 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

03633	CONF	&	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

JOURN 311 LAW AND THE PRESS.
2 HOURS, OR 1/2 UNIT

03634	LECT-DISC		8	W F	123	G H		ALFELD

JOURN 321 NEWS EDITING.
PREREQUISITE--CREDIT OR REGISTRATION IN JOURN. 204, JOURN. 211.
4 HOURS, OR 1 UNIT

03635	LECT		11	TU TH	113	G H		SCHACHT
03636	LAB	E	1-4	M W	229	G H		GILMORE
03637	LAB	N	1-4	TU TH	229	G H		SCHACHT

JOURN 323 ADVANCED REPORTING.
PREREQUISITE--JOURN. 211 AND 212, OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT
*SIX ADDITIONAL HOURS TO BE ARRANGED.

03638	LECT		9	TU TH	25	G H		KENYON

JOURN 326 MAGAZINE ARTICLE WRITING.
3 HOURS, OR 1/2 UNIT

03639	LECT-DISC	E	1	M W F	113	G H		SCHACHT

JOURN 329 CRITICAL WRITING AND REVIEWING.
PREREQUISITE--JOURN. 212 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

03640	LECT-DISC		10	TU TH	113	G H		SCHACHT

JOURN 341 NEWSPAPER MANAGEMENT.
PREREQUISITE--CREDIT OR REGISTRATION IN JOURN. 204.
3 HOURS, OR 1/2 UNIT

03641	LECT-DISC		3	M W F	43	G H		

JOURN 372 SOCIAL ASPECTS OF MASS COMMUNICATIONS.
SAME AS COMM. AND SOC. 372.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT

03642	LECT-DISC		2	M W F	123	G H		GERBNER

COURSES FOR GRADUATES

JOURN 468 THE POLITICAL ECONOMY OF COMMUNICATIONS, II.
SAME AS COMM. 468.
PREREQUISITE--JOURN. 467.
1 UNIT

03643	LECT-DISC		730-920PM	TU	123	G H		SCHILLER

JOURN 471 PRO-SEMINAR IN COMMUNICATIONS, I.
SAME AS COMM. 471.
1 UNIT

03644	LECT-DISC		3-5	TU	123	G H		PETERSON AND OTHERS

JOURN 473 HISTORY AND THEORY OF FREEDOM OF THE PRESS.
SAME AS COMM. 473.
1 UNIT

03645	LECT-DISC		1-3	TH	123	G H		JENSEN

JOURN 490 SPECIAL TOPICS IN JOURNALISM.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1/2 OR 1 UNIT

03646	CONF		ARR					STAFF

JOURN 492 RESEARCH METHODS IN COMMUNICATIONS.
SAME AS COMM. 492.
PREREQUISITE--AN INTRODUCTORY STATISTICS COURSE OR CONSENT OF INSTRUCTOR.
1 UNIT
*ONE ADDITIONAL HOUR TO BE ARRANGED.

03647	LECT-DISC		*2	M W F	113	G H		

JOURN 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN JOURNALISM.
1 TO 2 UNITS

03648	CONF		ARR					STAFF

LABOR AND INDUSTRIAL RELATIONS

DEPARTMENT OFFICE 504 E ARMORY, C.

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

L I R 312 HUMAN RELATIONS IN BUSINESS.
SAME AS MGMT. 312.
PREREQUISITE--MGMT. 101 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 3/4 UNIT

03649	LECT-DISC	A	8	M W F	230	COM W		
03650	LECT-DISC	B	9	M W F	230	COM W		
03651	LECT-DISC	K	9	TU TH S	230	COM W		
03652	LECT-DISC	N	1-220	TU TH	230	COM W		

L I R 318 INDUSTRY AND SOCIETY.
SAME AS SOC. 318.
PREREQUISITE--SENIOR STANDING, PSYCH. 100, SOC. 100, OR 104, AND 105, OR D G S 151 AND 152, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03653	LECT-DISC	A	1030-12	TU TH	340	L H		PHILLIPS

L I R 342 ECONOMICS OF SOCIAL SECURITY.
SAME AS ECON. 342.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
03654 LECT-DISC F 2 M W F 130 COM W

L I R 347 LABOR LAW.
SAME AS LAW 347.
3 HOURS, OR 1 UNIT
03655 LECT-DISC 9 MTUW B LAW

L I R 357 PSYCHOLOGY OF INDUSTRIAL CONFLICT.
SAME AS PSYCH. 357.
PREREQUISITE--PSYCH. 100 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT
03656 LECT-DISC 3-420PM TU TH 307 G H HULIN

L I R 360 GROUP INSURANCE AND PENSIONS.
SAME AS FIN. 360.
PREREQUISITE--FIN. 260 OR ECON. 240 OR MGMT. 248.
3 HOURS, OR 1/2 TO 1 UNIT
03657 LECT-DISC L 10 TU TH 96 COM W MEHR
L 11 TU 96 COM W

L I R 365 GOVERNMENT AND LABOR.
SAME AS POL. S. 365.
PREREQUISITE--POL. S. 150 OR 191.
3 HOURS, OR 1/2 OR 1 UNIT
03658 LECT-DISC 2-4 TU 310 L H EDELMAN
4-5 TH 310 L H

COURSES FOR GRADUATES

L I R 420 FORMATION OF PUBLIC POLICY.
SAME AS POL. S. 420.
1 UNIT
03659 LECT-DISC 9-11 TU 398 L H HAGAN

L I R 440 LABOR ECONOMICS.
SAME AS ECON. 440.
PREREQUISITE--A MINIMUM OF SIX HOURS IN ECONOMICS.
1 UNIT
03660 LECT-DISC 2-4 TH 94 COM W

L I R 442 COLLECTIVE BARGAINING.
SAME AS ECON. 442.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
03661 LECT-DISC 10-12 F 43 ILIR CHALMERS

L I R 444 ECONOMICS OF MANPOWER RESOURCES.
SAME AS ECON. 444.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
03662 LECT-DISC 4-6 M 94 COM W

L I R 447 LABOR UNION ORGANIZATION AND ADMINISTRATION.
SAME AS ECON. 447.
PREREQUISITE--MAJOR IN SOCIAL SCIENCES OR CONSENT OF INSTRUCTOR.
1 UNIT
03663 LECT-DISC 10-12 W 43 ILIR GARMAN

L I R 448 PROBLEMS OF PERSONNEL MANAGEMENT.
SAME AS MGMT. 448.
PREREQUISITE--MGMT. 248 OR EQUIVALENT OR CONSENT OF INSTRUCTOR
1 UNIT
03664 LECT-DISC 1-3 W 20 COM W

L I R 490 INDIVIDUAL TOPICS.
1/2 TO 2 UNITS
03665 CONF ARR STAFF

L I R 493 RESEARCH SEMINAR IN LABOR AND INDUSTRIAL RELATIONS.
PREREQUISITE--MAJOR IN SOCIAL SCIENCES OR CONSENT OF INSTRUCTOR.
1 UNIT

03666	LECT-DISC A	10-12	M		43	ILIR	FRANKE
03667	LECT-DISC B	2-4	TU		43	ILIR	DERBER

L I R 499 THESIS RESEARCH.
1/2 TO 2 UNITS

03668	CONF	2-4		F	43	ILIR	STAFF

LANDSCAPE ARCHITECTURE

DEPARTMENT OFFICE 205 M H

COURSES FOR UNDERGRADUATES

L A 101 INTRODUCTION TO LANDSCAPE ARCHITECTURE.
2 HOURS

03669	LECT	1	TU TH		123	M H	RUTLEDGE

L A 131 ELEMENTARY LANDSCAPE DESIGN, 1.
3 HOURS

03670	LECT	2	TU		123	M H	WALKER
03670	LAB	3-5	TU		214	M H	
		2-5		TH	214	M H	

L A 133 ELEMENTARY LANDSCAPE DESIGN, 111.
PREREQUISITE--L. A. 132.
4 HOURS

03671	LECT	8		W	123	M H	DE TURK
03671	LAB	9-12		W	214	M H	
		8-12	M	F	214	M H	

L A 141 LANDSCAPE CONSTRUCTION, 1.
2 HOURS

03672	LECT	8	TU		316N	M H	HAZLETT
03672	LAB	9	TU		214	M H	
		8-10		TH	214	M H	

L A 151 PLANT MATERIALS, 1.
PREREQUISITE--BOT. 100.
3 HOURS

03673	LECT	3	M W	F	316N	M H	KEITH
03673	LAB	4	M W	F	316N	M H	

COURSES FOR ADVANCED UNDERGRADUATES

L A 214 CRITICAL HISTORY OF PLANNING AND DESIGN.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS

03674	LECT	2	M W	F	123	M H	CARNES

L A 235 INTERMEDIATE LANDSCAPE DESIGN, 1.
5 HOURS

03675	LECT	8	M		123	M H	RUTLEDGE
		8		F	316N	M H	
03675	LAB	8-12		W	200	M H	
		9-12	M	F	200	M H	

L A 243 LANDSCAPE CONSTRUCTION, II.
PREREQUISITE--L. A. 141 OR CONSENT OF INSTRUCTOR.
3 HOURS

03676	LECT	8	TU	123 M H		WALKER
03676	LAB	9-12	TU	200 M H		
		8-12	TH	200 M H		

L A 253 PLANTING DESIGN.
PREREQUISITE--L. A. 151 AND 152.
3 HOURS

03677	LECT	1	TU TH	316N M H	DE TURK
03677	LAB	2-5	TU TH	200 M H	

L A 255 PLANTING SPECIFICATIONS.
PREREQUISITE--L. A. 253.
2 HOURS

03678	LECT	9	TU TH	316N M H	RUTLEDGE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

L A 337 ADVANCED LANDSCAPE DESIGN, I.
PREREQUISITE--L. A. 236.
6 HOURS OR 1 TO 1 1/2 UNITS

03679	LECT	11	M W	123 M H		HAZLETT
03679	LAB	11	F	200 M H		
		1-5	M W F	200 M H		

COURSES FOR GRADUATES

L A 436 ADVANCED LANDSCAPE DESIGN.
PREREQUISITE--BACHELORS DEGREE IN LANDSCAPE ARCHITECTURE.
1 TO 2 UNITS

03680	LAB	8-12	M W F	1203 W CALIF	STAFF

L A 457 ADVANCED PLANTING DESIGN.
PREREQUISITE--BACHELORS DEGREE IN LANDSCAPE ARCHITECTURE.
1 TO 2 UNITS

03681	LAB	9-12	TU TH	1203 W CALIF	KEITH

L A 477 THEORY AND APPLICATION OF LANDSCAPE DESIGN.
PREREQUISITE--L A 337 OR CONSENT OF INSTRUCTOR.
1 UNIT

03682	LECT	ARR		202 M H	CARNES

L A 499 THESIS RESEARCH.
1/2 TO 2 UNITS

03683	CONF	ARR		205 M H	STAFF

LATIN

DEPARTMENT OFFICE 360 L H

MAJOR--TWENTY HOURS, EXCLUDING LATIN 101, 102, AND 103, AND INCLUDING SIX HOURS IN TRANSLATION COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES. IN ADDITION, CLASSICAL CIVILIZATION 301-302 IS STRONGLY RECOMMENDED AS AN ELECTIVE. SEE ALSO THE SPECIALIZED CURRICULUM PREPARATORY TO THE TEACHING OF LATIN.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ENGLISH LITERATURE, FOREIGN LANGUAGE, GREEK BEING ESPECIALLY RECOMMENDED, HISTORY, LIBRARY SCIENCE, AND PHILOSOPHY.

COURSES FOR UNDERGRADUATES

LAT 101 ELEMENTARY LATIN, I.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR LAT 101 WITHOUT LAT 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

03684	LECT-DISC	A	12	MTUWTH	240	ADMIN	
03685	LECT-DISC	B	1	MTUWTH	240	ADMIN	KURTH

LAT 102 ELEMENTARY LATIN, II.
PREREQUISITE--LAT. 101 OR ONE YEAR OF HIGH SCHOOL LATIN.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

03686	LECT-DISC	A	12	MTUWTH	116	L H	

LAT 103 INTERMEDIATE LATIN.
PREREQUISITE--LAT. 102 OR TWO YEARS OF HIGH SCHOOL LATIN.
4 HOURS

03687	LECT-DISC	B	1	MTUWTH	362	L H	DENADEL

LAT 104 INTRODUCTION TO VERGIL.
PREREQUISITE--LAT. 103 OR THREE YEARS OF HIGH SCHOOL LATIN.
4 HOURS

03688	LECT-DISC	A	4	MTUWTH	362	L H	KURTH

LAT 113 LATIN COMPOSITION, I.
THIS COURSE AND LAT. 114 ARE REQUIRED OF ALL STUDENTS WHO PLAN TO TEACH LATIN.
PREREQUISITE--CREDIT OR REGISTRATION IN LAT. 103, OR THREE YEARS OF HIGH SCHOOL LATIN.
2 HOURS

03689	LECT-DISC	A	9	TU TH	362	L H	BATEMAN

COURSES FOR ADVANCED UNDERGRADUATES

LAT 201 SURVEY OF LATIN LITERATURE.
PREREQUISITE--LAT. 105 OR FOUR YEARS OF HIGH SCHOOL LATIN.
3 HOURS

03690	LECT-DISC	A	2	M W F	362	L H	HELLER

LAT 291 SENIOR SURVEY.
PREREQUISITE--SIX HOURS OF CREDIT IN LAT. 391, AND CANDIDATE FOR DISTINCTION IN LATIN.
2 HOURS

03691	CONF	&	ARR		360	L H	BATEMAN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LAT 311 ADVANCED LATIN COMPOSITION, I.
REQUIRED OF THOSE RECEIVING THE RECOMMENDATION OF THE DEPARTMENT AS TEACHERS. PREREQUISITE--TWELVE HOURS OF LATIN ACCEPTABLE FOR A MAJOR.
2 HOURS, OR 1/2 UNIT

03692	LECT-DISC	A	2	TU TH	362	L H	OLIVER

LAT 391 READINGS IN LATIN LITERATURE.
PREREQUISITE--THREE YEARS OF COLLEGE LATIN OR EQUIVALENT, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 12 HOURS.
*3 HOURS, OR 3/4 UNIT

03693	LECT-DISC	A	4-520	TU TH	394	L H	TOVAR

COURSES FOR GRADUATES

LAT 411 LATIN EPIGRAPHY.
PREREQUISITE--THREE YEARS OF COLLEGE LATIN OR EQUIVALENT AND ONE YEAR OF ANCIENT HISTORY.
1 UNIT

03694	LECT-DISC		1-220	M W	407	LIB	OLIVER

LAT 495 BIBLIOGRAPHY AND CRITICISM, I.
SAME AS GRK. 495.
1/2 UNIT
03695 LECT-DISC A 1 TU TH 407 LIB OLIVER

LAT 499 THESIS RESEARCH.
SAME AS GRK. 499.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
03696 CONF ARR STAFF

LATIN-AMERICAN STUDIES PROGRAM

DEPARTMENT OFFICE 124 D H

STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

STUDENTS MAY ELECT THE LATIN-AMERICAN STUDIES PROGRAM AS EITHER A MAJOR OR A MINOR. IN BOTH CASES STUDENTS FOLLOW THE SAME PROGRAM. STUDENTS WHO ELECT LATIN-AMERICAN STUDIES AS A MAJOR OR MINOR SHALL BE REQUIRED TO--

1-COMPLETE THE PRESCRIBED AND GENERAL EDUCATION SEQUENCES REQUIRED IN THE SCIENCES AND LETTERS CURRICULUM.

2-COMPLETE SIX SEMESTERS OR EQUIVALENT OF COLLEGE SPANISH OR PORTUGUESE. IF A STUDENT WISHES TO TAKE BOTH SPANISH AND PORTUGUESE HE MAY TAKE TWO YEARS OF EACH TO SATISFY THIS REQUIREMENT. IN THE CASE OF WELL-QUALIFIED STUDENTS THE LANGUAGE REQUIREMENT MAY BE MODIFIED.

3-COMPLETE AT LEAST TWENTY SEMESTER HOURS FROM THE COURSES LISTED BELOW, INCLUDING SOC. S. 101 AND/OR 102 AND SOC. S. 301, CHOSEN FROM AMONG FOUR DEPARTMENTS. COURSES USED FOR MAJOR OR MINOR CREDIT OUTSIDE THE LATIN-AMERICAN STUDIES PROGRAM MAY NOT BE INCLUDED WITHIN THIS TWENTY HOURS.

ANTH. 271, 350, 352, 361, 380
ART 318
ECON. 328, 329
GEOG. 231, 332
HIST. 375, 376, 377
PHIL. 319
POL. S. 342
PORT. 301, 303, 304, 305, 306
SOC. S. 101, 102, 301
SOC. 373
SPAN. 222, 307, 308, 332

MINORS--STUDENTS WHO MAJOR IN LATIN-AMERICAN STUDIES MAY ELECT MINORS AS FOLLOWS--TWENTY HOURS, EXCLUDING COURSES TAKEN IN FRESHMAN YEAR, IN ANY ONE OF THE FOLLOWING SUBJECTS, AGRICULTURAL ECONOMICS ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, HISTORY OF ART, LINGUISTICS, PHILOSOPHY, POLITICAL SCIENCE, PORTUGUESE, SPANISH, SOCIAL WORK, AND SOCIOLOGY. MAJORS IN LATIN AMERICAN STUDIES MAY NOT OFFER A SPLIT MINOR.

SPLIT MINOR--STUDENTS MAY SPLIT A MINOR BETWEEN LATIN-AMERICAN STUDIES AND ANOTHER DEPARTMENT, BUT MUST MEET THE LANGUAGE REQUIREMENT AND TAKE AT LEAST TWELVE SEMESTER HOURS FROM LATIN-AMERICAN STUDIES, INCLUDING SOC. S. 301, AND COURSES FROM AT LEAST TWO DEPARTMENTS IN THE CURRICULUM EXCLUSIVE OF COURSES USED IN THE MAJOR DEPARTMENT.

GRADUATE MINOR IN LATIN-AMERICAN STUDIES

CANDIDATES FOR THE MASTERS DEGREE MUST ELECT A MINIMUM OF TWO UNITS FOR A MINOR IN THIS PROGRAM. DOCTORAL CANDIDATES WHO ELECT LATIN-AMERICAN STUDIES AS A SOLE MINOR MUST EARN A MINIMUM OF FOUR UNITS OF CREDIT IN APPROVED COURSES, FOR A SPLIT MINOR, AT LEAST THREE UNITS OF CREDIT MUST BE EARNED. THE COURSES FOR ALL GRADUATE MINORS IN LATIN-AMERICAN STUDIES MUST BE TAKEN IN AT LEAST TWO DEPARTMENTS OR SUBJECTS AND MUST BE APPROVED BY THE DIRECTOR OF LATIN-AMERICAN STUDIES. COURSES IN THE FOLLOWING LIST MAY BE INCLUDED IN THE GRADUATE MINOR.

AG. EC. 401
ANTH. 350, 352, 361, 380, 490
ART 318, 491
BOT. 300
ECON. 328, 329, 411, 490
GEOG. 332, 495
HIST. 375, 376, 377, 476
PHIL. 319, 483
POL. S. 342, 493
PORT. 301, 303, 304, 305, 306, 491
SOC. S. 301
SOC. 373, 490
SPAN. 307, 308, 431, 432, 433 434, 435, 436

STUDENTS IN OTHER COLLEGES

STUDENTS IN TECHNICAL AND PROFESSIONAL COLLEGES AND SCHOOLS OF THE UNIVERSITY WHO SEEK KNOWLEDGE OF LATIN-AMERICAN AFFAIRS, CULTURE, AND LANGUAGES ARE INVITED TO CONSULT WITH MEMBERS OF THE TEACHING STAFF OF THE LATIN-AMERICAN STUDIES PROGRAM, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. SUCH A PROGRAM MAY OFTEN BE ADOPTED AS A SPECIAL MINOR UNDER EXISTING REGULATIONS IF THE STUDENT SO DESIRES. IT IS RECOGNIZED THAT THE NUMBER OF ELECTIVE HOURS AVAILABLE FOR SUCH SPECIAL AREA STUDIES VARIES AMONG MANY OF THE EIGHT AND TEN SEMESTER PROGRAMS IN THE UNIVERSITY, BUT MOST STUDENTS WISHING TO INCREASE THEIR PROFICIENCY IN LATIN-AMERICAN AFFAIRS CAN DO SO WITHOUT EXCESSIVE OVERCROWDING OF SCHEDULES. THESE COURSES ARE OF PARTICULAR VALUE TO STUDENTS WHO INTEND TO CARRY ON TECHNICAL OR PROFESSIONAL WORK IN THE LATIN AMERICAN AREA FOR THE GOVERNMENT, PRIVATE BUSINESS, PUBLICATIONS, OR RELIGIOUS ORGANIZATIONS.

LAW

DEPARTMENT OFFICE 209 LAW

COURSES FOR FIRST-YEAR LAW STUDENTS

LAW 301 CONTRACTS A.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
PATTERSON, GOBLE & JONES, CASES ON CONTRACTS, 4TH ED.

03697	LECT-DISC	A	9	MTUW	C LAW	
03698	LECT-DISC	B	3	MTUW	C LAW	
03699	LECT-DISC	C	4	MTUW	C LAW	

LAW 303 TORTS A.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*2 OR 3 HOURS, OR 1/2 UNIT
PROSSER & SMITH, CASES ON TORTS - 3RD ED.

03700	LECT-DISC	A	8	THF	B LAW	O CONNELL
03701	LECT-DISC	B	9	THF	B LAW	O CONNELL
03702	LECT-DISC	C	10	THF	B LAW	KRAUSE

LAW 305 JUDICIAL REMEDICS.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
CRIBBET, CASES ON JUDICIAL REMEDIES.

03703	LECT-DISC	A	9	MTUW	A LAW	STONE
03704	LECT-DISC	B	10	MTUW	A LAW	STONE
03705	LECT-DISC	C	2	MTUW	A LAW	BAUM

LAW 307 PROPERTY A.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
CRIBBET, FRITZ & JOHNSON, CASES ON PROPERTY.

03706	LECT-DISC	A	9	THFS	A LAW	PLAGER
03707	LECT-DISC	B	10	THFS	A LAW	PLAGER
03708	LECT-DISC	C	11	THFS	A LAW	CRIBBET

LAW 309 CRIMINAL LAW.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
1961 ILLINOIS CRIMINAL CODE--FOR BOTH SECTIONS A AND B.
CASEBOOK FOR SECTION A--PAULSEN & KADISH, CRIMINAL LAW AND ITS PROCESSES.
CASEBOOK FOR SECTIONS B AND C--HARNO, CASES ON CRIMINAL LAW, 4TH ED.

03709	LECT-DISC	A	10	MTUW	B LAW	LAFAYE
03710	LECT-DISC	B	2	MTUW	B LAW	BOWMAN
03711	LECT-DISC	C	3	MTUW	B LAW	BOWMAN

LAW 315 LEGAL WRITING AND RESEARCH.
1 HOUR
ROALFE, HOW TO FIND THE LAW--WEIHOFEN, LEGAL WRITING STYLE, HARVARD UNIFORM CITATOR.

03712	LECT-DISC	A	1	TH	A LAW	COHN
03713	LECT-DISC	B	2	TH	A LAW	AND
03714	LECT-DISC	C	3	TH	A LAW	TEACHING
03715	LECT-DISC	D	2	F	A LAW	ASSISTANTS
03716	LECT-DISC	E	3	F	A LAW	

LAW 317 APPELLATE ADVOCACY A.
1 HOUR

03717	CONF	A	ARR

COURSES FOR ADVANCED LAW STUDENTS

LAW 323 ADMINISTRATIVE LAW.
3 HOURS, OR 1 UNIT
GELLHORN & BYSE, CASES ON ADMINISTRATIVE LAW, 4TH ED

03718	LECT-DISC	A	9	MTUW	D LAW	COHN
03719	LECT-DISC	B	10	MTUW	D LAW	COHN

LAW 324 CORPORATIONS.
3 HOURS, OR 1 UNIT
CASEBOOK FOR SECTION A--BAKER & CARY, CASES ON CORPORATIONS, UNABRIDGED 3RD ED.
CASEBOOK FOR SECTION B--LATTIN & JENNINGS, CASES ON CORPORATIONS, 3RD ED.

03720	LECT-DISC	A	8	MTUW	D LAW	BAUM
03721	LECT-DISC	B	2	MTUW	D LAW	FRAMPTON

LAW 325 PLEADING.
3 HOURS, OR 1 UNIT
CLEARY, CASES ON PLEADING, 2D ED.

03722	LECT-DISC	A	3	MTUW	A LAW	CLEARY
03723	LECT-DISC	B	4	MTUW	D LAW	CLEARY

LAW 328 INCOME TAXATION.
3 HOURS, OR 1 UNIT
SURREY AND WARREN, CASES ON FEDERAL INCOME TAXATION, 1960 ED.
INTEGRATED WITH 1961 SUPPLEMENT, AND COMMERCE CLEARING HOUSE, FEDERAL TAXATION--CURRENT LAW AND PRACTICE.

03724	LECT-DISC	A	10	THFS	D LAW	YOUNG
03725	LECT-DISC	B	11	THFS	D LAW	YOUNG

LAW 329 DECEDENTS ESTATES AND TRUSTS.
3 HOURS, OR 1 UNIT
CASEBOOK TO BE ANNOUNCED.
03726 LECT-DISC A 8 THFS D LAW
03727 LECT-DISC B 9 THFS D LAW

LAW 333 PERSONS.
2 HOURS, OR 1/2 UNIT
JACOBS & GOEBEL, CASES ON DOMESTIC RELATIONS, 4TH ED.
03728 LECT-DISC A 2 THF B LAW CARLSTON

LAW 338 INSURANCE.
3 HOURS, OR 1 UNIT
PATTERSON & YOUNG, CASES ON INSURANCE, 4TH ED.
03729 LECT-DISC A 10 MTUW C LAW DAVIS

LAW 339 CONFLICT OF LAWS.
4 HOURS, OR 1 UNIT
CHEATHAM, GOODRICH, GRISWOLD AND REESE, CASES ON CONFLICT OF LAWS, 4TH ED.
03730 LECT-DISC A 3 MTUW D LAW HOLT

LAW 341 OIL AND GAS.
3 HOURS, OR 1 UNIT
WILLIAMS, MAXWELL & MEYERS, CASES ON OIL AND GAS.
03731 LECT-DISC A 9 THFS E LAW METZGER

LAW 347 LABOR LAW.
SAME AS L.I.R. 347.
3 HOURS, OR 1 UNIT
CASEBOOK TO BE ANNOUNCED.
03732 LECT-DISC A 9 MTUW B LAW

LAW 348 INTERNATIONAL LAW.
3 HOURS, OR 1 UNIT
BRIGGS, CASES ON INTERNATIONAL LAW, 2ND ED.
03733 LECT-DISC A 10 THFS E LAW CARLSTON

LAW 350 THE PROVINCE AND FUNCTION OF THE LEGAL PROFESSION.
3 HOURS
MIMEOGRAPHED MATERIALS.
03734 LECT-DISC A 2-4 F 117 LAW HANDLER

LAW 355 TRADE REGULATION.
3 HOURS, OR 1 UNIT
CASEBOOK TO BE ANNOUNCED.
03735 LECT-DISC A 11 M W A LAW
A 1 TU A LAW

LAW 357 LEGAL ACCOUNTING.
2 HOURS
HERWITZ & TRAUTMAN, AMORY & HARDEES MATERIALS ON ACCOUNTING, 3D ED.
03736 LECT-DISC A 1 M W E LAW LUKAS

LAW 360 LEGAL DRAFTING AND LAW OFFICE PRACTICE.
2 HOURS
SMITH, LAW OFFICE ORGANIZATION.
03737 LECT-DISC A 8 M W 117 LAW THOMAS

LAW 369 SOVIET LAW.
3 HOURS, OR 1 UNIT
CASEBOOK TO BE ANNOUNCED.
03738 LECT-DISC A 11 THFS E LAW

LAW 372 SEMINAR--LEGAL ASPECTS OF ATOMIC ENERGY.
2 HOURS, OR 1/2 UNIT
03739 CONF A 4-6 TU 117 LAW FRAMPTON

LAW 374 SEMINAR--FEDERAL TAXATION.
2 HOURS, OR 1/2 UNIT
COMMERCE CLEARING HOUSE, FEDERAL TAXATION--CURRENT LAW AND PRACTICE, STUDENTS EDITION.
03740 CONF A 4-6 F 117 LAW YOUNG

LAW 376 SEMINAR--CURRENT CONSTITUTIONAL PROBLEMS.
2 HOURS, OR 1/2 UNIT
03741 CONF A 4-6 W 117 LAW SULLIVAN

LAW 379 SEMINAR--LAND USE.
2 HOURS, OR 1/2 UNIT
HAAR, LAND USE PLANNING.
03742 CONF A 4-6 TH 117 LAW CRIBBET

LAW 380 SEMINAR--ESTATE PLANNING.
2 HOURS, OR 1/2 UNIT
03743 CONF A 4-6 TH 111 LAW

LAW 382 COMPARATIVE LAW.
3 HOURS, OR 1 UNIT
SCHLESINGER, CASES ON COMPARATIVE LAW.
03744 LECT-DISC A 8 THFS E LAW KRAUSE

LAW 383 LAW AND SOCIETY.
3 HOURS, OR 1 UNIT
CASEBOOK TO BE ANNOUNCED
03745 LECT-DISC A 2 MTUW E LAW

LAW 391 LEGAL PROBLEMS.
1 HOUR
03746 CONF A ARR LAFAVE

LAW 392 LEGAL PROBLEMS.
1 HOUR
03747 CONF A ARR LAFAVE

LAW 393 LEGAL PROBLEMS.
1 HOUR
03748 CONF A ARR LAFAVE

LAW 394 LEGAL PROBLEMS.
1 HOUR
03749 CONF A ARR LAFAVE

LAW 399 RESEARCH ON SPECIAL TOPICS.
1 TO 4 HOURS, OR 1/2 OR 1 UNIT
03750 CONF A ARR STAFF

COURSES FOR GRADUATES

LAW 400 SEMINAR--LEGAL EDUCATION.
1/2 UNIT
03751 CONF A ARR SULLIVAN

LAW 499 THESIS RESEARCH.
1/2 TO 2 UNITS
03752 CONF A ARR STAFF

LIBRARY SCIENCE

DEPARTMENT OFFICE 331 LIB

COURSES FOR UNDERGRADUATES

LIB S 101 COLLOQUIUM
TALKS AND DISCUSSIONS BY PROMINENT LIBRARIANS AND OTHER LEADERS ASSOCIATED WITH LIBRARY INTERESTS, OR WITH THE PRODUCTION AND DISTRIBUTION OF BOOKS AND COMPARABLE MEDIA. ALL STUDENTS ARE REQUIRED TO ATTEND.
NO CREDIT

03753	LECT		1	TH	66	LIB	

LIB S 195 INTRODUCTION TO LIBRARY USE.
2 HOURS

03754	LECT-DISC	A	9	TU TH	428	LIB	
03755	LECT-DISC	B	10	TU TH	312	D K H	
03756	LECT-DISC	C	11	TU TH	66	LIB	

COURSES FOR ADVANCED UNDERGRADUATES

LIB S 201 INTRODUCTION TO REFERENCE.
3 HOURS

03757	LECT-DISC		7-920PM	M W	314	LIB	

LIB S 204 DEVELOPMENT AND OPERATION OF LIBRARIES.
3 HOURS OR 2 HOURS IN SUMMER.

03758	LECT-DISC		10	M W F	428	LIB	JENKINS

LIB S 255 ORGANIZATION OF LIBRARY MATERIALS.
PREREQUISITE--SENIOR STANDING.
3 HOURS

03759	LECT-DISC	A	8	M W F	314	LIB	
03760	LAB		8	TH	314	LIB	
03761	LECT-DISC	B	3	M W F	314	LIB	
03762	LAB		4	W	314	LIB	

LIB S 258 SELECTION OF LIBRARY MATERIALS.
3 HOURS, OR 2 HOURS IN SUMMER

03763	LECT-DISC		2	M W F	314	LIB	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LIB S 301 LITERATURE OF THE HUMANITIES AND SOCIAL SCIENCES.
3 HOURS, OR 1 UNIT

03764	LECT-DISC		9	M W F	314	LIB	STEVENS

LIB S 302 LITERATURE OF SCIENCE AND TECHNOLOGY.
3 HOURS, OR 1 UNIT

03765	LECT-DISC		8	M W F	428	LIB	JENKINS

LIB S 303 LIBRARY MATERIALS FOR CHILDREN.
3 HOURS, OR 1/2 OR 1 UNIT

03766	LECT-DISC	A	9	M W F	66	LIB	
03767	LECT-DISC	B	11	M W F	66	LIB	
03768	LECT-DISC	C	2	M W F	66	LIB	

LIB S 304 LIBRARY MATERIALS FOR YOUNG ADULTS.
3 HOURS, OR 1/2 OR 1 UNIT

03769	LECT-DISC	A	9	M W F	428	LIB	THOMASSEN
03770	LECT-DISC	B	11	M W F	314	LIB	LOHRER

LIB S 309 STORYTELLING.
3 HOURS, OR 1/2 OR 1 UNIT

03771	LECT-DISC		10-12	TU		314	LIB	LADLEY
			10		TH	314	LIB	

COURSES FOR GRADUATES

LIB S 403 METHODS OF INVESTIGATION IN LIBRARIANSHIP.
1 UNIT

03772	LECT-DISC		10-12	TU		428	LIB	JENKINS

LIB S 405 LIBRARY ADMINISTRATION.
1 UNIT

03773	LECT-DISC		9-11		TH	66	LIB	GOLDSTEIN
03774	DISC	A	ARR					GOLDSTEIN
03775	DISC	B	ARR					GARRISON
03776	DISC	C	ARR					GOLDHOR

LIB S 407 CATALOGING AND CLASSIFICATION, I.
1 UNIT

03777	LECT-DISC		10	M W F		314	LIB	EATON

LIB S 409 COMMUNICATION ROLES AND RESPONSIBILITIES OF LIBRARIES.
1 UNIT

03778	LECT-DISC		3-5	M		428	LIB	GOLDSTEIN

LIB S 411 REFERENCE SERVICE IN THE HUMANITIES AND SOCIAL SCIENCES.
1 UNIT

03779	LECT-DISC		1	M W F		314	LIB	STEVENS

LIB S 427 RESOURCES OF AMERICAN LIBRARIES.
1 UNIT

03780	LECT-DISC		1-3	TU		314	LIB	STEVENS

LIB S 431 HISTORY OF LIBRARIES.
1/2 OR 1 UNIT

03781	LECT-DISC		2-4	W		428	LIB	EATON

LIB S 433 ADVANCED SUBJECT BIBLIOGRAPHY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*NO STUDENT MAY REGISTER MORE THAN TWICE FOR CREDIT TOWARD A DEGREE.
*1/2 UNIT
*SEC.B--BIOLOGIAL LITERATURE AND REFERENCE WORK
*SEC.E--ENGINEERING

03783	LECT-DISC	B	11		F	101	BUR HALL	BAMBER
03782	LECT-DISC	E	3	M		119	C E H	COBURN

LIB S 441 HISTORY OF CHILDRENS LITERATURE.
1 UNIT

03784	LECT-DISC		7-930PM	W		328	LIB	LOHRER

COURSES FOR ADVANCED GRADUATES

LIB S 450 ADVANCED PROBLEMS IN LIBRARIANSHIP.
PREREQUISITE--A FIFTH-YEAR DEGREE IN LIBRARY SCIENCE, CONSENT OF ASSOCIATE DIRECTOR.
1/2 TO 2 UNITS

03785	CONF		ARR					STAFF

LIB S 463 CURRENT DEVELOPMENTS IN TECHNICAL SERVICES.
PREREQUISITE--MASTER OF SCIENCE IN LIBRARY SCIENCE OR CONSENT OF INSTRUCTOR.
1 UNIT

03786	LECT-DISC		1-3	M		428	LIB	EATON

LIB S 465 LIBRARIANSHIP AND SOCIETY.
PREREQUISITE--MASTER OF SCIENCE IN LIBRARY SCIENCE OR CONSENT OF INSTRUCTOR.
1 UNIT

03787	LECT-DISC	10-12	F	328	LIB		GOLDSTEIN

LIB S 469 PRINCIPLES OF RESEARCH METHODS.
PREREQUISITE--KNOWLEDGE OF THE PRINCIPLES OF STATISTICS, MASTER OF SCIENCE IN LIBRARY SCIENCE OR CONSENT OF INSTRUCTOR.
1 UNIT

03788	LECT-DISC	8-10	TU	328	LIB		GOLDHOR

LIB S 499 THESIS RESEARCH.
MS CANDIDATES--0 TO 2 UNITS, PHD CANDIDATES--0 TO 4 UNITS

03789	CONF	ARR					STAFF

LINGUISTICS

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

A GRADUATE PROGRAM LEADING TO THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY IN LINGUISTICS IS OFFERED BY THE DIVISION OF SOCIAL SCIENCES. THE FOLLOWING FIELDS OF LINGUISTICS ARE AVAILABLE AND INTERDISCIPLINARY STUDY IN PSYCHOLINGUISTICS, ETHNOLINGUISTICS, AND EXPERIMENTAL PHONETICS.

UNDERGRADUATE PREPARATION FOR THE STUDY OF LINGUISTICS SHOULD INCLUDE THE EQUIVALENT OF AT LEAST THREE YEARS OF FOREIGN LANGUAGE EXPERIENCE, FOR HISTORICAL LINGUISTICS A BROAD BACKGROUND IN THE LIBERAL ARTS AND SCIENCES, AND FOR DESCRIPTIVE LINGUISTICS THE EQUIVALENT OF GOOD UNDERGRADUATE TRAINING IN MATHEMATICS AND THE SCIENCES IS DESIRABLE. STUDENTS APPLYING FOR ADMISSION MUST HAVE AT LEAST A 3.5 GRADE POINT AVERAGE FOR THAT PORTION OF THE WORK WHICH REPRESENTS THE LAST SIXTY HOURS EARNED TOWARD THE BACHELORS DEGREE, EXCLUSIVE OF REQUIRED PHYSICAL EDUCATION, MILITARY TRAINING, RELIGIOUS SUBJECTS AND THE LIKE.

COURSES FOR ADVANCED UNDERGRADUATES

LING 200 ELEMENTS OF LINGUISTICS.
PREREQUISITE--ONE YEAR, OR EQUIVALENT, OF A FOREIGN LANGUAGE.
3 HOURS

03790	LECT-DISC	9	M W F	154	ADMIN		KAHANE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LING 300 INTRODUCTION TO LINGUISTICS.
PREREQUISITE--FULFILLMENT OF THE FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES, OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

03791	LECT-DISC		9	M W F	429	ARMORY	STAFF

LING 301 GENERAL PHONETICS.
SAME AS SPCH. 301.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

03792	LECT-DISC		9	TU TH	304	L H	
03793	DISC	A	8	W	330	L H	
03794	DISC	B	9	W	330	L H	
03795	DISC	C	10	W	330	L H	
03796	DISC	D	1	W	330	L H	
03797	DISC	E	2	W	330	L H	
03798	DISC	F	3	W	330	L H	

LING 309 FIELD METHODS IN LINGUISTICS.
SAME AS ANTH. 309.
PREREQUISITE--LING. 300, 301, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03799	LECT-DISC		10	M W	311	D H		HALE AND LEHMAN
03800	LAB	A	10-12	TU	137	D H		
03801	LAB	B	10-12	TH	137	D H		
03802	LAB	C	1-3	TU	137	D H		
03803	LAB	D	ARR					

LING 315 INTRODUCTION TO INDO-EUROPEAN LINGUISTICS.
PREREQUISITE--FULFILLMENT OF LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES.
2 HOURS, OR 1/2 UNIT

03804	LECT-DISC		3	TU TH	154	ADMIN	TOVAR

LING 338 PHILOSOPHIES OF LANGUAGE.
AS PHIL. 338.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, 3/4 OR 1 UNIT

03805	LECT-DISC		3	M W F	184	L H	GOLDBERG

LING 375 SPEECH SCIENCE, I.
SAME AS SPCH. 375.
PREREQUISITE--LING. 301 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03806	LECT-DISC		2	M W F	304	L H	ZEMLIN

LING 388 LINGUISTICS IN LANGUAGE LEARNING.
SAME AS RHET. 388.
PREREQUISITE--TWO YEARS OF FOREIGN LANGUAGE AND CONSENT OF INSTRUCTOR.
4 HOURS, OR 3/4 UNIT

03807	LECT-DISC		ARR		109	E B	ASTON

COURSES FOR GRADUATES

LING 401 LINGUISTIC ANALYSIS, I.
PREREQUISITE--LING. 300, 387, OR CONSENT OF INSTRUCTOR.
1 UNIT

03808	LECT-DISC		1	M W F	154	ADMIN	LEES

LING 403 SEMINAR IN LINGUISTIC ANALYSIS.
PREREQUISITE--LING. 401 OR 402 OR CONSENT OF INSTRUCTOR.
1 UNIT

03809	LECT-DISC		ARR				LEES

LING 412 RESEARCH SEMINAR IN HISTORICAL LINGUISTICS.
PREREQUISITE--LING. 411 OR CONSENT OF INSTRUCTOR.
1 UNIT

03810	LECT-DISC		10	TU TH	154	ADMIN	KAHANE

LING 424 LINGUISTICS AND COMMUNICATIONS.
SAME AS COMM. 424.
1 UNIT

03811	LECT-DISC		9-11	F	123	G H	MACLAY

LING 425 PSYCHOLINGUISTICS.
SAME AS COMM. AND PSYCH. 425.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03812	LECT-DISC		11-1	TH	445	G H	MIRON

LING 475 EXPERIMENTAL PHONETICS, I.
SAME AS SPCH. 475.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03813	LECT-DISC		ARR				ZEMLIN

LING 477 MEASUREMENT OF SPEECH, I.
SAME AS SPCH. 477.
PREREQUISITE--CONSENT OF INSTRUCTOR, CREDIT OR REGISTRATION IN LING. 475.
1 UNIT

03814	CONF	ARR		ZEMLIN

LING 490 SPECIAL TOPICS IN LINGUISTICS.
1/2 TO 2 UNITS

03815	CONF	ARR		STAFF

LING 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

03816	CONF	ARR		STAFF

MANAGEMENT

DEPARTMENT OFFICE 317B D K H

COURSES FOR UNDERGRADUATES

MGMT 101 INDUSTRIAL ORGANIZATION AND MANAGEMENT.
PREREQUISITE--ECON. 102 OR CONSENT OF INSTRUCTOR, FORTY-FIVE CREDIT HOURS.
*CREDIT IS NOT GIVEN IN BOTH MGMT. 101 AND I. E. 237.
*3 HOURS

03817	LECT-DISC	A	8	M W F	240	COM W	
03818	LECT-DISC	J1	8	TU TH S	219	D K H	
03819	LECT-DISC	J2	8	TU TH S	108	D K H	
03820	LECT-DISC	B	9	M W F	219	D K H	
03821	LECT-DISC	K1	9	TU TH S	219	D K H	
03822	LECT-DISC	K2	9	TU TH S	108	D K H	
03823	LECT-DISC	C	10	M W F	219	D K H	
03824	LECT-DISC	L1	10	TU TH S	219	D K H	
03825	LECT-DISC	L2	10	TU TH S	305	D K H	
03826	LECT-DISC	L3	10	TU TH S	108	D K H	
03827	LECT-DISC	D	11	M W F	219	D K H	
03828	LECT-DISC	M1	11	TU TH S	219	D K H	
03829	LECT-DISC	M2	11	TU TH S	305	D K H	
03830	LECT-DISC	X	12	M W F	219	D K H	
03831	LECT-DISC	N	1-220	TU TH	219	D K H	

COURSES FOR ADVANCED UNDERGRADUATES

MGMT 201 PRODUCTION MANAGEMENT.
PREREQUISITE--MGMT. 101, ECON. 170.
FIELD TRIP.
3 HOURS

03832	LECT-DISC	N	1-220	TU TH	240	COM W	

MGMT 205 PRODUCTION PLANNING AND CONTROL.
PREREQUISITE--MGMT. 101.
3 HOURS

03833	LECT-DISC	K	9-1020	TU TH	240	COM W	

MGMT 245 OFFICE MANAGEMENT.
PREREQUISITE--ACCY 105, ECON. 103.
3 HOURS

03834	LECT-DISC	F	2	M W F	226	COM W	MELSON

MGMT 246 OFFICE EQUIPMENT.
PREREQUISITE--JUNIOR STANDING.
3 HOURS
*LAB. SECTIONS LIMITED TO TWELVE STUDENTS EACH.

03835	QUIZ	A	8	M W F	8	D K H	MELSON
03836	LAB	N	1-3	TU TH	8	D K H	MELSON
03837	LAB	P	3-5	TU TH	8	D K H	MELSON

MGMT 248 PERSONNEL ADMINISTRATION.
PREREQUISITE--ECON. 102 OR 108.
3 HOURS

03838	LECT-DISC	J	8	TU TH S	305	D K H	
03839	LECT-DISC	K	9	TU TH S	305	D K H	
03840	LECT-DISC	E	1	M W F	226	COM W	
03841	LECT-DISC	G	3	M W F	240	COM W	

MGMT 291 HONORS COURSE.
2 TO 4 HOURS

03842	CONF	&E	ARR				

MGMT 295 INDEPENDENT STUDY.
*TEN SEMESTER HOURS IN THIS DEPARTMENT OR SIXTEEN SEMESTER HOURS DIVIDED BETWEEN THIS DEPARTMENT AND ANY OTHER DEPARTMENT MAY BE ACCUMULATED.
*3 TO 5 HOURS

03843	CONF	&	ARR				

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MGMT 301 MANAGEMENT IN MANUFACTURING.
PREREQUISITE--MGMT. 101.
3 HOURS, OR 1/2 UNIT

03844	LECT-DISC	E	1	M W F	236	COM W	
03845	LECT-DISC	F	2	M W F	236	COM W	

MGMT 311 ADMINISTRATIVE POLICIES AND ORGANIZATION.
PREREQUISITE--MGMT. 101, MKTG. 101, SENIOR STANDING.
3 HOURS, OR 1/2 OR 3/4 UNIT

03846	LECT-DISC	N	1-220	TU TH	215	D K H	
03847	LECT-DISC	G	3	M W F	236	COM W	

MGMT 312 HUMAN RELATIONS IN BUSINESS.
SAME AS L.I.R. 312.
PREREQUISITE--MGMT. 101 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 3/4 UNIT

03848	LECT-DISC	A	8	M W F	236	COM W	
03849	LECT-DISC	B	9	M W F	236	COM W	
03850	LECT-DISC	K	9	TU TH S	236	COM W	
03851	LECT-DISC	N	1-220	TU TH	236	COM W	

MGMT 320 ORGANIZATION THEORY AND PRACTICE.
PREREQUISITE--MGMT. 312.
3 HOURS, OR 1/2 OR 3/4 UNIT

03852	LECT-DISC	B	9	M W F	240	COM W	
03853	LECT-DISC	L	10-1120	TU TH	215	D K H	
03854	LECT-DISC	N	1-220	TU TH	226	COM W	

COURSES FOR GRADUATES

MGMT 448 PROBLEMS OF PERSONNEL MANAGEMENT.
SAME AS L.I.R. 448.
PREREQUISITE--MGMT. 248 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

03855	LECT-DISC		1-3	W	20	COM W	PLANTY

MGMT 499 THESIS RESEARCH.
1 UNIT

03856	CONF		4-6	W	20	COM W	DEMARIS

MARKETING

DEPARTMENT OFFICE 411 D K H

COURSES FOR UNDERGRADUATES

MKTG 101 PRINCIPLES OF MARKETING.
PREREQUISITE--ECON. 102 OR 108, AND FORTY-FIVE CREDIT HOURS.
*CREDIT IS NOT GIVEN IN BOTH MKTG. 101 AND 272.
*3 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

03857	LECT-DISC	A1	8	M W F	170	COM W			DEBOER
03858	LECT-DISC	A2	8	M W F	20	COM W			
03859	LECT-DISC	B	9	M W F	20	COM W			
03870	LECT-DISC	*&B	9	M W F	170	COM W			MILLICAN
03860	LECT-DISC	C1	10	M W F	222	D K H			BELL
03861	LECT-DISC	C2	10	M W F	122	D K H			
03862	LECT-DISC	D	11	M W F	222	D K H			BELL
03863	LECT-DISC	E1	1	M W F	122	D K H			
03864	LECT-DISC	E2	1	M W F	219	D K H			
03865	LECT-DISC	G1	3	M W F	122	D K H			
03866	LECT-DISC	G2	3	M W F	219	D K H			
03867	LECT-DISC	K	9	TU TH S	122	D K H			
03868	LECT-DISC	L1	10	TU TH S	122	D K H			
03869	LECT-DISC	L2	10	TU TH S	222	D K H			

COURSES FOR ADVANCED UNDERGRADUATES

MKTG 211 PRINCIPLES OF RETAILING.
PREREQUISITE--MKTG. 101.
3 HOURS

03871	LECT-DISC	A	8	M W F	222	D K H			
03872	LECT-DISC	B	9	M W F	222	D K H			
03873	LECT-DISC	F	2	M W F	219	D K H			

MKTG 212 RETAIL SALES PROMOTION.
PREREQUISITE--MKTG. 211.
2 HOURS

03874	LECT-DISC	K	9	TU TH	222	D K H			

MKTG 272 INDUSTRIAL SELLING.
FOR NON-COMMERCE STUDENTS.
*CREDIT IS NOT GIVEN IN BOTH MKTG. 101 AND 272.
*3 HOURS

03875	LECT-DISC	D	11	M W F	170	COM W			

MKTG 287 ADVERTISING.
PREREQUISITE--MKTG. 101.
*CREDIT IS NOT GIVEN FOR BOTH MKTG. 287 AND ADV. 281.
*3 HOURS

03876	LECT-DISC	E	1	M W F	170	COM W			WALES
03877	LECT-DISC	F	2	M W F	122	D K H			MILLICAN
03878	LECT-DISC	G	3	M W F	170	COM W			WALES

MKTG 288 SALES WRITING.
SAME AS ADV. 288 AND RHET. 271.
PREREQUISITE--RHET. 101, 102, AND 151, OR CONSENT OF INSTRUCTOR.
2 HOURS

03879	LECT-DISC	F	2	M W	326	D K H			GIESELMAN
03880	LECT-DISC	K	9	TU TH	326	D K H			MAGUIRE
03881	LECT-DISC	M	11	TU TH	306	D K H			MAGUIRE

MKTG 291 HONORS COURSE.
2 TO 4 HOURS

03882	CONF	&	ARR						STAFF

MKTG 295 INDEPENDENT STUDY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
•TEN SEMESTER HOURS IN THIS DEPARTMENT OR SIXTEEN SEMESTER HOURS DIVIDED BETWEEN THIS DEPARTMENT AND ANY OTHER DEPARTMENT MAY BE ACCUMULATED.
•3 TO 5 HOURS

03883	CONF		&	ARR							STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MKTG 305 CONTEMPORARY PROBLEMS IN MARKETING MANAGEMENT.
PREREQUISITE--MKTG. 101, SENIOR STANDING.
3 HOURS, OR 1/2 UNIT

03884	LECT-DISC	A	8	M	W	F	122	D	K	H	JONES
03885	LECT-DISC	B	9	M	W	F	122	D	K	H	JONES

MKTG 315 RETAIL BUYING.
PREREQUISITE--MKTG. 211.
2 HOURS, OR 1/2 UNIT

03886	LECT-DISC	P	3		TU	TH	219	D	K	H	HILL

MKTG 321 MARKETING RESEARCH.
PREREQUISITE--MKTG. 101.
FIELD TRIP, ESTIMATED EXPENSE $4.
3 HOURS, OR 1/2 UNIT

03887	LECT-DISC	C	10	M	W	F	170	COM	W		DEBOER
03888	LECT-DISC	F	2	M	W	F	170	COM	W		WALES

MKTG 323 PROBLEMS IN BUSINESS RESEARCH.
PREREQUISITE--MKTG. 321.
3 HOURS, OR 1/2 OR 1 UNIT

03889	LECT-DISC	F	2	M	W	F	305	D	K	H	DEBOER

MKTG 325 SALES AND DISTRIBUTION COST ANALYSIS.
PREREQUISITE--MKTG. 101 AND SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03890	LECT-DISC	D	11	M	W	F	122	D	K	H	MITCHELL

MKTG 331 GRAIN MARKETING.
SAME AS AG. EC. 331.
PREREQUISITE--AG. EC. 230 OR MKTG. 101.
FIELD TRIPS, ESTIMATED EXPENSE $10.
3 HOURS, OR 3/4 OR 1 UNIT

03891	LECT-DISC	P	2-4		TU	TH	320	M	H		HIERONYMUS

MKTG 335 ECONOMICS OF FOOD DISTRIBUTION.
SAME AS AG. EC. AND HORT. 335.
PREREQUISITE--ECON. 108, AG. EC. 230 OR MKTG. 101.
3 HOURS, OR 3/4 OR 1 UNIT

03892	LECT-DISC	E	1	M	W	F	316S	M	H		KELLY

MKTG 345 CREDITS AND COLLECTIONS.
PREREQUISITE--MKTG. 101, OR AG. EC. 230.
3 HOURS, OR 1/2 UNIT

03893	LECT-DISC	E	1	M	W	F	305	D	K	H	SCOTTON

MKTG 349 TRADE ASSOCIATION AND COMMERCIAL ORGANIZATION.
FIELD TRIP MAY BE REQUIRED, ESTIMATED EXPENSE $5. PREREQUISITE--MKTG. 101--SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

03894	LECT-DISC	M	11		TU	TH	20	COM	W		

MKTG 351 INDUSTRIAL MARKETING.
PREREQUISITE--MKTG. 101 OR 272, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03895	LECT-DISC	C	10	M	W	F	20	COM	W		BELL

MKTG 373 SALES MANAGEMENT.
PREREQUISITE--MKTG. 101 OR 272.
3 HOURS, OR 1/2 OR 1 UNIT

03896	LECT-DISC	C	10	M W F	305	D K H	SCOTTON
03897	LECT-DISC	D	11	M W F	305	D K H	SCOTTON

MKTG 382 ADVERTISING COPY AND LAYOUT.
SAME AS ADV. 382.
PREREQUISITE--MKTG. 287 OR ADV. 281.
*CREDIT IS NOT GIVEN IN BOTH MKTG. 382 AND 282.
*4 HOURS, OR 1 UNIT

03898	LECT		10	M W	9	G H	SARGENT
03899	LAB	E	1-3	M W	18	G H	SARGENT
03900	LAB	J	8-10	TU TH	18	G H	
03901	LAB	L	10-12	TU TH	18	G H	

MKTG 383 ADVERTISING MEDIA.
SAME AS ADV. 383.
PREREQUISITE--MKTG. 287 OR ADV. 281.
3 HOURS, OR 1/2 UNIT

03902	LECT-DISC	C	10	M W F	18	G H	MOYER
03903	LECT-DISC	F	2	M W F	43	G H	BARBAN

MKTG 384 ADVERTISING CAMPAIGNS.
SAME AS ADV. 384.
PREREQUISITE--MKTG. 382, OR 282 AND 383.
3 HOURS, OR 1/2 UNIT

03904	LECT-DISC	B	9	M W F	113	G H	MOYER

MKTG 385 ADVERTISING PROMOTION AND SALES.
SAME AS ADV. 385.
PREREQUISITE--MKTG. 287 OR ADV. 281.
2 HOURS, OR 1/2 UNIT

03905	LECT	M	11	TU	225	G H	MCCLURE
03905	LAB	M	10-12	TH	225	G H	MCCLURE
03906	LECT	O	2	TU	225	G H	MCCLURE
03906	LAB	O	2-4	TH	225	G H	MCCLURE

MKTG 386 RADIO AND TELEVISION ADVERTISING.
SAME AS ADV. 386.
PREREQUISITE--MKTG. 287 OR ADV. 281.
2 HOURS, OR 1/2 UNIT

03907	LECT-DISC	C	10	M W	123	G H	MCCLURE

MKTG 387 ADVERTISING POLICIES AND PROBLEMS.
SAME AS ADV. 387.
PREREQUISITE--MKTG. 287 OR ADV. 281.
3 HOURS, OR 1/2 OR 1 UNIT

03908	LECT-DISC	A	8	M W F	305	D K H	WEDDING
03909	LECT-DISC	B	9	M W F	305	D K H	WEDDING

MKTG 388 ADVERTISING IN CONTEMPORARY SOCIETY.
SAME AS ADV. 388.
PREREQUISITE--MKTG. 287 OR ADV. 281 OR CONSENT OF INSTRUCTOR.
*GRADUATE CREDIT IS NOT GIVEN FOR BOTH MKTG. 388 AND MKTG. 481.
*2 HOURS, OR 1/2 UNIT

03910	LECT-DISC	K	9	TU TH	123	G H	SARGENT
03911	LECT-DISC	M	11	TU TH	123	G H	SARGENT

COURSES FOR GRADUATES

MKTG 401 MARKETING PRINCIPLES AND PROBLEMS.
1 UNIT

03912	LECT-DISC		10-12	TU	420	D K H	HUEGY

MKTG 402 MARKETING METHODS AND PROBLEMS.
1 UNIT

03913	LECT-DISC		10-12	TH	420	[illegible]	[illegible]

MKTG 415 MERCHANDISING TRENDS AND PROBLEMS.
PREREQUISITE--MKTG. 101 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

03914	LECT-DISC		10-12	TH	420	D K H	HUEGY

MKTG 421 ANALYSIS OF CONSUMER MARKETS.
1 UNIT
03915 LECT-DISC 2-4 TH 20 COM W MILLIGAN

MKTG 471 THE DEVELOPMENT OF MARKETING.
PREREQUISITE--MKTG. 101 OR CONSENT OF INSTRUCTOR.
1 UNIT
03916 LECT-DISC 2-4 TU 20 COM W MITCHELL

MKTG 481 ADVANCED ADVERTISING PRINCIPLES.
SAME AS ADV. AND COMM. 481.
*GRADUATE CREDIT IS NOT GIVEN FOR BOTH MKTG. 388 AND MKTG. 481.
*1 UNIT
03917 LECT-DISC 3-5 W 123 G H SANDAGE

MKTG 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
SAME AS ADV. AND COMM. 482.
1 UNIT
03918 LECT-DISC 3-5 TH 123 G H SIMON

MKTG 483 ADVERTISING AND THE MASS MEDIA.
SAME AS ADV. AND COMM. 483.
1 UNIT
03919 LECT-DISC 3-5 M 18 G H MOYER

MKTG 493 RESEARCH IN SPECIAL FIELDS.
1/4 TO 2 UNITS
03920 CONF ARR HUEGY

MKTG 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*CLASS MEETS ON ALTERNATE MONDAYS.
03921 DISC *4-6 M 240 COM W JONES

MATHEMATICS

DEPARTMENT OFFICE 273 A H

MAJOR IN MATHEMATICS

MAJOR--TWENTY-THREE HOURS IN MATHEMATICS, EXCLUDING COURSES WITH NUMBERS LESS THAN 130, AND INCLUDING THREE COURSES CHOSEN FROM MATH. 317, 318, 327, 328, 332, 333, 347, 348, 353, 354, 387.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ACCOUNTANCY, ASTRONOMY, CHEMISTRY, ECONOMICS, FINANCE, PHILOSOPHY, PHYSICS, PSYCHOLOGY, STATISTICS--MATH. 161, 361, 362, 363, 364, 375, SURVEYING, THEORETICAL AND APPLIED MECHANICS.
DEPARTMENTAL HONORS. ENTERING STUDENTS WITH SUPERIOR MATHEMATICAL ABILITY SHOULD APPLY TO THE DEPARTMENT OF MATHEMATICS, 273 ALTGELD HALL. FOR INFORMATION REGARDING THE HONORS COURSE, MATH. 149. INFORMATION REGARDING REQUIREMENTS FOR GRADUATION WITH DISTINCTION IN MATHEMATICS IS AVAILABLE FROM DR. J. W. PETERS, 267 ALTGELD HALL.

NOTE--AN ENTERING STUDENT WITH AN ADEQUATE PREPARATION IN HIGH SCHOOL MATHEMATICS SHOULD ENROLL IN ANALYTIC GEOMETRY, MATH. 122 OR 123, DURING THE FIRST SEMESTER, AND IN THE CALCULUS, MATH. 132 OR 133, DURING THE SECOND SEMESTER OF HIS FRESHMAN YEAR. ADMISSION TO ANALYTIC GEOMETRY NORMALLY REQUIRES A PASSING GRADE ON THE MATHEMATICS PLACEMENT TEST. A STUDENT INELIGIBLE FOR ANALYTIC GEOMETRY SHOULD ENROLL IN ALGEBRA, MATH. 111 OR 112, AND TRIGONOMETRY, MATH. 114, DURING HIS FIRST SEMESTER.

UNDERGRADUATE STUDENTS INTENDING TO TAKE ADVANCED WORK OR A MAJOR IN MATHEMATICS SHOULD COMPLETE THE SECOND SEMESTER OF THE CALCULUS, MATH. 142 OR 143, AS EARLY AS POSSIBLE. OF THE VARIOUS COURSES OFFERED AT THE 300 LEVEL, THE INTRODUCTORY COURSES IN ALGEBRA, 317, 318, IN GEOMETRY, 327, 328, IN TOPOLOGY, 332, 333, AND IN ANALYSIS, 347, 348 ARE BASIC FOR MORE ADVANCED WORK IN MATHEMATICS. MANY OF THE OTHER 300 LEVEL COURSES ARE DESIGNED TO SERVE STUDENTS WHO ANTICIPATE A RELATIVELY EARLY TERMINATION OF THEIR COURSE WORK IN MATHEMATICS, THESE STUDENTS MIGHT PREFER THE COURSES THAT RELATE INTERMEDIATE MATHEMATICS TO THEIR SPECIALIZED AREAS OF INTEREST. STUDENTS PREPARING TO TEACH HIGH SCHOOL OR COLLEGE MATHEMATICS, OR THOSE INTERESTED IN MATHEMATICS AS A CAREER SHOULD CONSULT WITH DR. J. W. PETERS, 267 ALTGELD HALL, CONCERNING THEIR PROGRAM AT THE EARLIEST POSSIBLE MOMENT AFTER ENTERING THE UNIVERSITY.

MAJOR IN STATISTICS

MAJOR--TWELVE HOURS BEYOND CALCULUS INCLUDING MATH. 315, 347, 363, AND THREE OTHER HOURS OF 300 COURSES IN STATISTICS IN THE DEPARTMENT OF MATHEMATICS.

MINORS--TWENTY HOURS IN ONE SUBJECT APPROVED BY THE DEPARTMENT OF MATHEMATICS. OF THESE TWENTY HOURS NOT MORE THAN NINE MAY BE IN STATISTICAL METHODS, AND MATH. 161 MAY BE TAKEN AS THREE OF THESE HOURS. THE COURSES NOT EMPHASIZING STATISTICAL METHODS SHOULD BE CHOSEN SO THAT COURSES ON THE 400 LEVEL CAN BE TAKEN IF THE STUDENT ENTERS GRADUATE COLLEGE.

MAJOR IN ACTUARIAL SCIENCE

MAJOR--ONE YEAR OF CALCULUS AND AT LEAST FIVE COURSES CHOSEN FROM THE FOLLOWING--MATH. 195, 311, 312, 362, 363, 371, 372,

MINORS--TWENTY HOURS CHOSEN FROM THE FOLLOWING--FIN. 258, 259, 260, 262, 270, 360, 363, 370.

NOTE--STUDENTS ARE URGED TO ELECT ACCY. 201 AND B. LAW 261 IN THEIR JUNIOR YEAR.

COURSES FOR UNDERGRADUATES

MATH 101 BASIC MATHEMATICS, I.
3 HOURS

03922	LECT-DISC	H1	4	M	W	F	110	A	H

MATH 102 BASIC MATHEMATICS, II.
PREREQUISITE--MATH. 101.
3 HOURS

03923	LECT-DISC	H1	4	M	W	F	108	A	H

MATH 104 ELEMENTS OF ALGEBRA AND TRIGONOMETRY.
FOR PREMEDICAL STUDENTS AND STUDENTS IN THE CURRICULUM PREPARATORY TO THE TEACHING OF BIOLOGY WHO HAVE ENTERED WITH ONLY ONE UNIT OF HIGH SCHOOL ALGEBRA AND WHO NEED CREDIT IN TRIGONOMETRY AS A PREREQUISITE TO PHYSICS. DOES NOT SERVE AS A PREREQUISITE FOR MATH. 122 OR 123. SUCH STUDENTS WHO ENTER WITH ONE AND ONE-HALF UNITS OF ALGEBRA MUST TAKE MATH. 114. PREREQUISITE--HIGH SCHOOL ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

03924	LECT-DISC	A1	8	M	W	F	102	A	H
03925	LECT-DISC	A2	8	M	W	F	441	A	H
03926	LECT-DISC	X1	12	M	W	F	102	A	H

MATH 111 ALGEBRA.

PREREQUISITE--ENTRANCE ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT.
STUDENTS HAVING 1-1/2 OR MORE UNITS OF HIGH SCHOOL ALGEBRA MAY NOT TAKE THIS COURSE UNLESS THEY HAVE THE APPROVAL OF THEIR COLLEGE OFFICE
*CREDIT IS NOT GRANTED FOR BOTH MATH. 111 AND 112.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.
*5 HOURS

03927	LECT-DISC	A1	8	MTUWTHF	165	A	H
03928	LECT-DISC	A2	8	MTUWTHF	110	L	H
03929	LECT-DISC	A3	8	MTUWTHF	205	G	H
03930	LECT-DISC	A4	8	MTUWTHF	215	G	H
03931	LECT-DISC	B1	9	MTUWTHF	102	A	H
03932	LECT-DISC	B2	9	MTUWTHF	205	G	H
03933	LECT-DISC	B3	9	MTUWTHF	215	G	H
03934	LECT-DISC	C1	10	MTUWTHF	102	A	H
03935	LECT-DISC	C2	10	MTUWTHF	110	L	H
03936	LECT-DISC	C3	10	MTUWTHF	205	G	H
03937	LECT-DISC	M1	11	MTUWTHF	102	A	H
03938	LECT-DISC	D2	11	MTUWTHF	110	L	H
03939	LECT-DISC	D3	11	MTUWTHF	205	G	H
03940	LECT-DISC	X1	12	MTUWTHF	102	A	H
03941	LECT-DISC	X2	12	MTUWTHF	441	A	H
03942	LECT-DISC	X3	12	MTUWTHF	443	A	H
03943	LECT-DISC	E1	1	MTUWTHF	102	A	H
03944	LECT-DISC	E2	1	MTUWTHF	441	A	H
03945	LECT-DISC	E3	1	MTUWTHF	156	ADMIN	
03946	LECT-DISC	F1	2	MTUWTHF	256	M	E B
03947	LECT-DISC	F2	2	MTUWTHF	441	A	H
03948	LECT-DISC	F3	2	MTUWTHF	110	L	H
03949	LECT-DISC	G1	3	MTUWTHF	102	A	H
03950	LECT-DISC	G2	3	MTUWTHF	110	L	H
03951	LECT-DISC	G3	3	MTUWTHF	441	A	H
03952	LECT-DISC	H1	4	MTUWTHF	102	A	H
03953	LECT-DISC	H2	4	MTUWTHF	156	ADMIN	
03954	LECT-DISC	H3	4	MTUWTHF	205	G	H

MATH 112 COLLEGE ALGEBRA.

PREREQUISITE--ENTRANCE ALGEBRA, 1-1/2 UNITS, PLANE GEOMETRY, 1 UNIT.
*CREDIT IS NOT GRANTED FOR BOTH MATH. 111 AND 112.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

03955	LECT-DISC	A1	8	M W F	245	A	H
03956	LECT-DISC	A2	8	M W F	202	T	B
03957	LECT-DISC	A3	8	M W F	152	ADMIN	
03958	LECT-DISC	A4	8	M W F	447	A	H
03959	LECT-DISC	K1	8	TU TH S	102	A	H
03960	LECT-DISC	B1	9	M W F	143	ADMIN	
03961	LECT-DISC	B2	9	M W F	202	T	B
03962	LECT-DISC	B3	9	M W F	110	L	H
03963	LECT-DISC	L1	9	TU TH S	108	A	H
03964	LECT-DISC	C1	10	M W F	143	ADMIN	
03965	LECT-DISC	C2	10	M W F	108	A	H
03966	LECT-DISC	C3	10	M W F	202	T	B
03967	LECT-DISC	M1	10	TU TH S	110	A	H
03968	LECT-DISC	D1	11	M W F	245	A	H
03969	LECT-DISC	D2	11	M W F	202	T	B
03970	LECT-DISC	D3	11	M W F	447	A	H
03971	LECT-DISC	N1	11	TU TH S	110	A	H
03972	LECT-DISC	X1	12	M W F	173	A	H
03973	LECT-DISC	X2	12	M W F	321	A	H
03974	LECT-DISC	X3	12	M W F	241	A	H
03975	LECT-DISC	E1	1	M W F	165	A	H
03976	LECT-DISC	E2	1	M W F	202	T	B
03977	LECT-DISC	E3	1	M W F	445	A	H
03978	LECT-DISC	F1	2	M W F	447	A	H
03979	LECT-DISC	F2	2	M W F	217	M	E L
03980	LECT-DISC	F3	2	M W F	247	A	H
03981	LECT-DISC	G1	3	M W F	245	A	H
03982	LECT-DISC	G2	3	M W F	217	M	E L
03983	LECT-DISC	G3	3	M W F	256	M	E B
03984	LECT-DISC	H1	4	M W F	243	A	H
03985	LECT-DISC	H2	4	M W F	441	A	H
03986	LECT-DISC	H3	4	M W F	260	M	E B

MATH 114 PLANE TRIGONOMETRY.
PREREQUISITE--ENTRANCE ALGEBRA, 1-1/2 UNITS, OR REGISTRATION IN MATH 111, PLANE GEOMETRY, 1 UNIT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

03987	LECT-DISC	A1	8	TU TH	145	A H
03988	LECT-DISC	A2	8	TU TH	147	A H
03989	LECT-DISC	A3	8	TU TH	155	A H
03990	LECT-DISC	A4	8	TU TH	173	A H
03991	LECT-DISC	A5	8	TU TH	241	A H
03992	LECT-DISC	B1	9	TU TH	110	A H
03993	LECT-DISC	B2	9	TU TH	145	A H
03994	LECT-DISC	B3	9	TU TH	147	A H
03995	LECT-DISC	B4	9	TU TH	155	A H
03996	LECT-DISC	B5	9	TU TH	169	A H
03997	LECT-DISC	C1	10	TU TH	145	A H
03998	LECT-DISC	C2	10	TU TH	159	A H
03999	LECT-DISC	C3	10	TU TH	147	A H
04000	LECT-DISC	C4	10	TU TH	169	A H
04001	LECT-DISC	C5	10	TU TH	241	A H
04002	LECT-DISC	D1	11	TU TH	145	A H
04003	LECT-DISC	D2	11	TU TH	147	A H
04004	LECT-DISC	D3	11	TU TH	159	A H
04005	LECT-DISC	D4	11	TU TH	169	A H
04006	LECT-DISC	D5	11	TU TH	173	A H
04007	LECT-DISC	X1	12	TU TH	173	A H
04008	LECT-DISC	X2	12	TU TH	165	A H
04009	LECT-DISC	E1	1	TU TH	108	A H
04010	LECT-DISC	E2	1	TU TH	110	A H
04011	LECT-DISC	E3	1	TU TH	147	A H
04012	LECT-DISC	E4	1	TU TH	159	A H
04013	LECT-DISC	F1	2	TU TH	147	A H
04014	LECT-DISC	F2	2	TU TH	155	A H
04015	LECT-DISC	F3	2	TU TH	110	A H
04016	LECT-DISC	G1	3	TU TH	108	A H
04017	LECT-DISC	G2	3	TU TH	110	A H
04018	LECT-DISC	G3	3	TU TH	145	A H
04019	LECT-DISC	H1	4PM	TU TH	110	A H
04020	LECT-DISC	H2	4	TU TH	108	A H

MATH 118 INTRODUCTION TO MATHEMATICS, I.
PREREQUISITE--ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT, OR EQUIVALENT.
4 HOURS

04021	LECT-DISC	A1	8	MTUWTH	247	A H
04022	LECT-DISC	B1	9	MTUWTH	245	A H
04023	LECT-DISC	C1	10	MTUWTH	321	A H
04024	LECT-DISC	D1	11	MTUWTH	143	ADMIN
04025	LECT-DISC	X1	12	MTUWTH	245	A H
04026	LECT-DISC	E1	1	MTUWTH	143	ADMIN
04027	LECT-DISC	F1	2	MTUWTH	143	ADMIN
04028	LECT-DISC	G1	3	MTUWTH	247	A H

MATH 119 INTRODUCTION TO MATHEMATICS, II.
PREREQUISITE--MATH. 118.
4 HOURS

04029	LECT-DISC	E1	1	MTUWTH	247	A H
04030	LECT-DISC	F1	2	MTUWTH	321	A H

MATH 122 ANALYTIC GEOMETRY.
PREREQUISITE--MATH. 111 OR 112, AND 114.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

04031	LECT-DISC	A1	8	MTUWTH	143	ADMIN
04032	LECT-DISC	A2	8	MTUWTH	321	A H
04033	LECT-DISC	D1	11	MTUWTH	321	A H
04034	LECT-DISC	X1	12	MTUWTH	243	A H
04035	LECT-DISC	X2	12	MTUWTH	247	A H
04036	LECT-DISC	E1	1	MTUWTH	321	A H
04037	LECT-DISC	E2	1	MTUWTH	257	A H
04038	LECT-DISC	G1	3	MTUWTH	243	A H
04039	LECT-DISC	H1	4	MTUWTH	447	A H

MATH 123 ANALYTIC GEOMETRY.

PREREQUISITE--MATH. 111 OR 112, AND 114.

•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.

•5 HOURS

•SECTION 6A1, 6B1, 6E1 AND 6F1 ARE HONORS SECTIONS. ADMISSION REQUIRES CONCURRENT REGISTRATION IN MATH. 149 SECTION 6P.

04041	LECT-DISC	•6A1	8	MTUWTHF	243	A H		EUSTICE
04042	LECT-DISC	A2	8	MTUWTHF	217	M E L		
04041	LECT-DISC	A3	8	MTUWTHF	153A	M E B		
04042	LECT-DISC	A4	8	MTUWTHF	260	M E B		
04043	LECT-DISC	A5	8	MTUWTHF	204	H H		
04044	LECT-DISC	A6	8	MTUWTHF	345	A H		
04045	LECT-DISC	A7	8	MTUWTHF	347	A H		
04046	LECT-DISC	B1	9	MTUWTHF	152	ADMIN		
04047	LECT-DISC	B2	9	MTUWTHF	217	M E L		
04048	LECT-DISC	B3	9	MTUWTHF	153B	M E B		
04049	LECT-DISC	B4	9	MTUWTHF	321	A H		
04050	LECT-DISC	B5	9	MTUWTHF	343	A H		
04051	LECT-DISC	B6	9	MTUWTHF	204	H H		
04052	LECT-DISC	C1	10	MTUWTHF	204	H H		
04053	LECT-DISC	C2	10	MTUWTHF	217	M E L		
04054	LECT-DISC	C3	10	MTUWTHF	153B	M E B		
04055	LECT-DISC	C4	10	MTUWTHF	256	M E B		
04056	LECT-DISC	C5	10	MTUWTHF	159	D H		
04057	LECT-DISC	C6	10	MTUWTHF	155	A H		
04092	LECT-DISC	•6B1	11	MTUWTHF	247	A H		
04058	LECT-DISC	D2	11	MTUWTHF	217	M E L		
04059	LECT-DISC	D3	11	MTUWTHF	153B	M E B		
04060	LECT-DISC	D4	11	MTUWTHF	152	ADMIN		
04061	LECT-DISC	D5	11	MTUWTHF	204	H H		
04062	LECT-DISC	D6	11	MTUWTHF	159	D H		
04063	LECT-DISC	X1	12	MTUWTHF	445	A H		
04064	LECT-DISC	X2	12	MTUWTHF	257	A H		
04065	LECT-DISC	X3	12	MTUWTHF	56	M E B		
04066	LECT-DISC	X4	12	MTUWTHF	60	M E B		
04067	LECT-DISC	X5	12	MTUWTHF	152	ADMIN		
04068	LECT-DISC	X6	12	MTUWTHF	143	ADMIN		
04093	LECT-DISC	•6E1	1	MTUWTHF	347	A H		PALEY
04069	LECT-DISC	E2	1	MTUWTHF	217	M E L		
04070	LECT-DISC	E3	1	MTUWTHF	60	M E B		
04071	LECT-DISC	E4	1	MTUWTHF	155	A H		
04072	LECT-DISC	E5	1	MTUWTHF	152	ADMIN		
04073	LECT-DISC	E6	1	MTUWTHF	204	H H		
04094	LECT-DISC	•6F1	2	MTUWTHF	108	A H		PEPPER
04074	LECT-DISC	F2	2	MTUWTHF	243	A H		
04075	LECT-DISC	F3	2	MTUWTHF	204	H H		
04076	LECT-DISC	F4	2	MTUWTHF	60	M E B		
04077	LECT-DISC	F5	2	MTUWTHF	343	A H		
04078	LECT-DISC	F6	2	MTUWTHF	159	D H		
04079	LECT-DISC	G1	3	MTUWTHF	152	ADMIN		
04080	LECT-DISC	G2	3	MTUWTHF	167	E E B		
04081	LECT-DISC	G3	3	MTUWTHF	153A	M E B		
04082	LECT-DISC	G4	3	MTUWTHF	153B	M E B		
04083	LECT-DISC	G5	3	MTUWTHF	60	M E B		
04084	LECT-DISC	G6	3	MTUWTHF	321	A H		
04085	LECT-DISC	H1	4	MTUWTHF	152	ADMIN		
04086	LECT-DISC	H2	4	MTUWTHF	167	E E B		
04087	LECT-DISC	H3	4	MTUWTHF	443	A H		
04088	LECT-DISC	H4	4	MTUWTHF	321	A H		
04089	LECT-DISC	H5	4	MTUWTHF	347	A H		
04090	LECT-DISC	H6	4	MTUWTHF	56	M E B		

MATH 124 INTRODUCTORY ANALYSIS FOR SOCIAL SCIENTISTS.

PREREQUISITE--MATH. 111 OR 112 OR A PASSING GRADE ON THE MATHEMATICS PLACEMENT EXAMINATION.

•CREDIT IS NOT GRANTED FOR MATH. 124-134 IN ADDITION TO MATH. 358-359.

•3 HOURS

04095	LECT-DISC	C1	10	M W F	215	G H		
04096	LECT-DISC	D1	11	M W F	215	G H		
04097	LECT-DISC	E1	1	M W F	205	G H		
04098	LECT-DISC	F1	2	M W F	205	G H		
04099	LECT-DISC	G1	3	M W F	215	G H		
04100	LECT-DISC	H1	4	M W F	215	G H		

MATH 132 CALCULUS, I.
PREREQUISITE--MATH. 122 OR 123.
5 HOURS
*SECTION &A1 IS AN HONORS SECTION, ADMISSION REQUIRES
CONCURRENT REGISTRATION IN MATH. 149 SECTION &&.

04118	LECT-DISC	*&A1	8	MTUWTHF	169	A H	WETZEL
04101	LECT-DISC	A2	8	MTUWTHF	107	M E L	
04102	LECT-DISC	A3	8	MTUWTHF	159	D H	
04103	LECT-DISC	B1	9	MTUWTHF	159	D H	
04104	LECT-DISC	B2	9	MTUWTHF	107	M E L	
04105	LECT-DISC	C1	10	MTUWTHF	173	A H	
04106	LECT-DISC	C2	10	MTUWTHF	107	M E L	
04107	LECT-DISC	D1	11	MTUWTHF	257	A H	
04108	LECT-DISC	D2	11	MTUWTHF	107	M E L	
04109	LECT-DISC	X1	12	MTUWTHF	169	A H	
04110	LECT-DISC	X2	12	MTUWTHF	345	A H	
04111	LECT-DISC	E1	1	MTUWTHF	107	M E L	
04112	LECT-DISC	E2	1	MTUWTHF	159	D H	
04113	LECT-DISC	F1	2	MTUWTHF	202	T B	
04114	LECT-DISC	G1	3	MTUWTHF	143	ADMIN	
04115	LECT-DISC	G2	3	MTUWTHF	202	T B	
04116	LECT-DISC	H1	4	MTUWTHF	143	ADMIN	
04117	LECT-DISC	H2	4	MTUWTHF	345	A H	

MATH 133 CALCULUS, I.
PREREQUISITE--MATH. 122 OR 123.
3 HOURS

04119	LECT-DISC	A1	8	M W F	173	A H	
04120	LECT-DISC	B1	9	M W F	145	A H	
04121	LECT-DISC	C1	10	M W F	154	ADMIN	
04122	LECT-DISC	X1	12	M W F	155	A H	
04123	LECT-DISC	E1	1	M W F	110	A H	
04124	LECT-DISC	F1	2	M W F	445	A H	
04125	LECT-DISC	G1	3	M W F	169	A H	
04126	LECT-DISC	H1	4	M W F	165	A H	

MATH 142 CALCULUS, II.
PREREQUISITE--MATH. 132.
3 HOURS
*SECTION &A1, &D1 AND &E1 ARE HONORS SECTIONS REQUIRING
CONCURRENT REGISTRATION IN MATH. 149 SECTION &R

04145	LECT-DISC	*&A1	8	M W F	343	A H	APPEL
04127	LECT-DISC	A2	8	M W F	145	A H	
04128	LECT-DISC	A3	8	M W F	60	M E B	
04129	LECT-DISC	B1	9	M W F	445	A H	
04130	LECT-DISC	B2	9	M W F	60	M E B	
04131	LECT-DISC	C1	10	M W F	445	A H	
04132	LECT-DISC	C2	10	M W F	60	M E B	
04146	LECT-DISC	*&D1	11	M W F	165	A H	LEVY
04133	LECT-DISC	D2	11	M W F	60	M E B	
04134	LECT-DISC	D3	11	M W F	445	A H	
04135	LECT-DISC	X1	12	M W F	165	A H	
04136	LECT-DISC	X2	12	M W F	447	A H	
04147	LECT-DISC	*&E1	1	M W F	245	A H	REINER
04137	LECT-DISC	E2	1	M W F	153B	M E B	
04138	LECT-DISC	E3	1	M W F	447	A H	
04139	LECT-DISC	F1	2	M W F	245	A H	
04140	LECT-DISC	F2	2	M W F	153A	M E B	
04141	LECT-DISC	G1	3	M W F	443	A H	
04142	LECT-DISC	G2	3	M W F	204	H H	
04143	LECT-DISC	H1	4	M W F	245	A H	
04144	LECT-DISC	H2	4	M W F	247	A H	

MATH 143 CALCULUS, II.
PREREQUISITE--MATH. 133.
5 HOURS
*SECTION &A1 IS AN HONORS SECTION REQUIRING CONCURRENT
REGISTRATION IN MATH. 149 SECTION &S.

04166	LECT-DISC	*&A1	8	MTUWTHF	159	A H	BROWN
04148	LECT-DISC	A2	8	MTUWTHF	153B	M E B	
04149	LECT-DISC	A3	8	MTUWTHF	445	A H	
04150	LECT-DISC	B1	9	MTUWTHF	159	A H	
04151	LECT-DISC	B2	9	MTUWTHF	153A	M E B	
04152	LECT-DISC	C1	10	MTUWTHF	165	A H	
04153	LECT-DISC	C2	10	MTUWTHF	153A	M E B	
04154	LECT-DISC	D1	11	MTUWTHF	155	A H	
04155	LECT-DISC	D2	11	MTUWTHF	153A	M E B	

MATH 143 CONTINUED

04156	LECT-DISC	X1	12	MTUWTHF	159	A H	
04157	LECT-DISC	X2	12	MTUWTHF	347	A H	
04158	LECT-DISC	E1	1	MTUWTHF	145	A H	
04159	LECT-DISC	E2	1	MTUWTHF	153A	M E B	
04160	LECT-DISC	F1	2	MTUWTHF	169	A H	
04161	LECT-DISC	F2	2	MTUWTHF	107	M E L	
04162	LECT-DISC	G1	3	MTUWTHF	165	A H	
04163	LECT-DISC	G2	3	MTUWTHF	107	M E L	
04164	LECT-DISC	H1	4	MTUWTHF	173	A H	
04165	LECT-DISC	H2	4	MTUWTHF	60	M E B	

MATH 149 HONORS COURSE IN MATHEMATICS.
PREREQUISITE--CONCURRENT REGISTRATION IN THE COURSE AND SECTION INDICATED BELOW, AND CONSENT OF DEPARTMENT. ENROLLMENT WILL BE STRICTLY LIMITED TO STUDENTS WITH SUPERIOR MATHEMATICAL TALENTS.
1 HOUR
•SECTION &P REQUIRES CONCURRENT REGISTRATION IN MATH. 123 &A1, &D1, &E1, OR &F1.
•SECTION &Q REQUIRES CONCURRENT REGISTRATION IN MATH. 132 &A1.
•SECTION &R REQUIRES CONCURRENT REGISTRATION IN MATH. 142 &A1 OR &D1. OR &E1.
•SECTION &S REQUIRES CONCURRENT REGISTRATION IN MATH. 143 &A1.

04167	DISC	•&P	ARR
04168	DISC	•&Q	ARR
04169	DISC	•&R	ARR
04170	DISC	•&S	ARR

MATH 161 STATISTICS.
PREREQUISITE--MATH. 111 OR 112, SOPHOMORE STANDING.
•CREDIT IS NOT GIVEN FOR MATH. 161 IN ADDITION TO ECON. 170 OR 171 OR PSYCH. 135.
•3 HOURS
•STUDENTS WHO HAVE COMPLETED A YEAR OF CALCULUS SHOULD ENROLL IN MATH 363 INSTEAD OF MATH 161.

04171	LECT-DISC	D1	11	M W F	147	A H	

MATH 195 INTRODUCTION TO AUTOMATIC DIGITAL COMPUTING.
PREREQUISITE--SOPHOMORE STANDING AND ONE YEAR OF COLLEGE MATHEMATICS, INCLUDING DIFFERENTIAL CALCULUS.
3 HOURS

04172	LECT-DISC	A1	9	M W F	151	E E B		PASTA
04173	LECT-DISC	C1	10	M W F	100	M M B		SNYDER
04174	LECT-DISC	D1	11	M W F	100	M M B		EHRMAN
04175	LECT-DISC	X1	12	M W F	151	E E B		SMITH
04176	LECT-DISC	E1	1	M W F	314	A H		HAMILTON
04177	LECT-DISC	F1	2	M W F	314	A H		RAY

COURSES FOR ADVANCED UNDERGRADUATES

MATH 202 MATHEMATICS FOR ELEMENTARY TEACHERS, I.
PREREQUISITE--JUNIOR STANDING IN ELEMENTARY EDUCATION.
•NO CREDIT FOR L. A. AND S. STUDENTS.
•5 HOURS

04178	LECT-DISC	E1	1	MTUWTHF	215	G H	
04179	LECT-DISC	E2	1	MTUWTHF	110	L H	
04180	LECT-DISC	F1	2	MTUWTHF	215	G H	

MATH 222 ADVANCED ASPECTS OF EUCLIDEAN GEOMETRY.
PREREQUISITE--EIGHTEEN HOURS OF MATHEMATICS, INCLUDING ONE YEAR OF CALCULUS.
3 HOURS

04181	LECT-DISC	D1	11	M W F	145	A H	

MATH 249 HONORS COURSE IN MATHEMATICS.
PREREQUISITE--CONCURRENT REGISTRATION IN DESIGNATED HONORS SECTIONS OF CERTAIN ADVANCED UNDERGRADUATE MATHEMATICS COURSES.
1 HOUR
•SECTION &P REQUIRES CONCURRENT REGISTRATION IN MATH. 347, &A1.
•SECTION &Q REQUIRES CONCURRENT REGISTRATION IN MATH 349 &D1.

04182	DISC	•&P	
04183	DISC	•&Q	

MATH 263 STATISTICS IN ENGINEERING AND THE PHYSICAL SCIENCES.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS

04184	LECT-DISC	C1	10	M	W	F	245	A H	
04185	LECT-DISC	F1	2	M	W	F	173	A H	
04186	LECT-DISC	F2	2	M	W	F	260	M E B	
04187	LECT-DISC	G1	3	M	W	F	447	A H	
04188	LECT-DISC	G2	3	M	W	F	260	M E B	

MATH 291 THESIS AND READING COURSE.
PREREQUISITE--MATH. 347 WITH GRADE OF B OR BETTER, OR CONSENT OF MATHEMATICS HONORS COMMITTEE.
2 HOURS
[illegible]

MATH 294 INTRODUCTION TO THE THEORY OF DIGITAL MACHINES.
SAME AS E. E. 294.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING OR MATHEMATICS.
3 HOURS

04190	LECT-DISC	C1	10	M	W	F	151	E E B		METZE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MATH 300 THE THEORY OF SETS AND THE REAL NUMBER SYSTEM.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04191	LECT-DISC	E1	1	M	W	F	108	A H	
04192	LECT-DISC	F1	2	M	W	F	145	A H	
04193	LECT-DISC	H1	4	M	W	F	445	A H	

MATH 301 FUNDAMENTAL CONCEPTS OF ALGEBRA.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04194	LECT-DISC	A1	8	M	W	F	241	A H	
04195	LECT-DISC	C1	10	M	W	F	345	A H	

MATH 302 FUNDAMENTAL CONCEPTS OF GEOMETRY.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04196	LECT-DISC	A1	8	M	W	F	159	A H	

MATH 305 TEACHERS COURSE.
MEETS FIRST SIX WEEKS AND LAST FOUR WEEKS OF SEMESTER.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

04197	LECT-DISC	A1	8	MTUWTHF	110	A H	

MATH 306 SELECTED MATHEMATICAL TOPICS FOR SECONDARY SCHOOL TEACHERS, I.
PREREQUISITE--ONE YEAR OF SECONDARY SCHOOL TEACHING IN MATHEMATICS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

04198	LECT-DISC	C1	10	M W F	145	A H	

MATH 307 SELECTED MATHEMATICAL TOPICS FOR SECONDARY SCHOOL TEACHERS, II.
PREREQUISITE--ONE YEAR OF SECONDARY SCHOOL TEACHING IN MATHEMATICS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

04199	LECT-DISC	B	9-1020	TU TH	345	A H	HART
04200	LECT-DISC	C	1030-12	TU TH	345	A H	SANDERS

MATH 311 ADVANCED ALGEBRA.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04201	LECT-DISC	B1	9	M W F	165	A H	
04202	LECT-DISC	B2	9	M W F	345	A H	

MATH 314 INTRODUCTION TO SET THEORY AND MATHEMATICAL LOGIC.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS OR 1 UNIT

04203	LECT-DISC	C1	10	M W F	447	A H	
04204	LECT-DISC	H1	4	M W F	343	A H	

MATH 315 LINEAR TRANSFORMATIONS AND MATRICES.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04205	LECT-DISC	A1	8	M	W	F	443	A	H	
04206	LECT-DISC	A2	8	M	W	F	108	A	H	
04207	LECT-DISC	C1	10	M	W	F	169	A	H	
04208	LECT-DISC	C2	10	M	W	F	347	A	H	
04209	LECT-DISC	F1	2	M	W	F	165	A	H	
04210	LECT-DISC	G1	3	M	W	F	159	A	H	

MATH 317 INTRODUCTION TO HIGHER ALGEBRA, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT
*SECTIONS B1 AND B2 ARE FOR ACADEMIC YEAR INSTITUTE STUDENTS.

04217	LECT-DISC	*B1	9	M	W	F	443	A	H	
04218	LECT-DISC	*B2	9	M	W	F	257	A	H	
04211	LECT-DISC	B3	9	M	W	F	347	A	H	
04212	LECT-DISC	C1	10-1130	TU	TH		243	A	H	
04213	LECT-DISC	D1	11	M	W	F	443	A	H	
04214	LECT-DISC	E1	1	M	W	F	345	A	H	
04215	LECT-DISC	G1	3	M	W	F	345	A	H	
04216	LECT-DISC	H1	4	M	W	F	169	A	H	

MATH 318 INTRODUCTION TO HIGHER ALGEBRA, II.
PREREQUISITE--MATH. 317.
3 HOURS, OR 1 UNIT

04219	LECT-DISC	B1	9	M	W	F	247	A	H	
04220	LECT-DISC	G1	3	M	W	F	241	A	H	
04221	LECT-DISC	H1	4	M	W	F	155	A	H	

MATH 327 INTRODUCTION TO HIGHER GEOMETRY, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04222	LECT-DISC	C1	10	M	W	F	147	A	H	
04223	LECT-DISC	C2	10	M	W	F	443	A	H	

MATH 332 TOPOLOGICAL SPACES.
PREREQUISITE--MATH. 347.
3 HOURS, OR 1 UNIT

04224	LECT-DISC	D1	11	M	W	F	169	A	H	
04225	LECT-DISC	G1	3	M	W	F	347	A	H	

MATH 333 INTRODUCTION TO ALGEBRAIC TOPOLOGY.
PREREQUISITE--MATH. 318,332, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04226	LECT-DISC	G1	3	M	W	F	147	A	H	HAMSTROM

MATH 341 DIFFERENTIAL EQUATIONS, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04227	LECT-DISC	G1	3	M	W	F	159	D	H	

MATH 342 DIFFERENTIAL EQUATIONS, II.
PREREQUISITE--MATH. 341.
3 HOURS, OR 1 UNIT

04228	LECT-DISC	F1	2	M	W	F	155	A	H	KNIGHT

MATH 343 ADVANCED CALCULUS.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04229	LECT-DISC	A1	8	M	W	F	147	A	H	
04230	LECT-DISC	A2	8	M	W	F	256	M	E	B
04231	LECT-DISC	B1	9	M	W	F	155	A	H	
04232	LECT-DISC	B2	9	M	W	F	256	M	E	B
04233	LECT-DISC	C1	10	M	W	F	314	A	H	PETERS
04234	LECT-DISC	D1	11	M	W	F	256	M	E	B
04235	LECT-DISC	X1	12	M	W	F	147	A	H	
04236	LECT-DISC	X2	12	M	W	F	341	A	H	
04237	LECT-DISC	E1	1	M	W	F	256	M	E	B
04238	LECT-DISC	F1	2	M	W	F	147	A	H	
04239	LECT-DISC	F2	2	M	W	F	153B	M	E	B
04240	LECT-DISC	G1	3	M	W	F	445	A	H	
04241	LECT-DISC	H1	4	M	W	F	147	A	H	

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MATH  345     DIFFERENTIAL EQUATIONS AND ORTHOGONAL FUNCTIONS.
        PREREQUISITE--ONE YEAR OF CALCULUS.
        *CREDIT IS NOT GIVEN FOR BOTH MATH. 345 AND MATH. 349.
        *3 HOURS, OR 1 UNIT
        *SECTION M IS FOR STUDENTS IN THE ACADEMIC YEAR INSTITUTE IN
        ELECTRONIC TECHNOLOGY ONLY.
      04242    LECT-DISC  A1      8          M  W  F   314  A H
      04243    LECT-DISC  B1      9          M  W  F   163  E E B
      04244    LECT-DISC  B2      9          M  W  F   447  A H
      04245    LECT-DISC  C1     10          M  W  F   152  ADMIN
      04246    LECT-DISC  C2     10          M  W  F    56  M E B
      04247    LECT-DISC  D1     11          M  W  F   159  A H
      04248    LECT-DISC  D2     11          M  W  F    56  M E B
      04249    LECT-DISC  X1     12          M  W  F   145  A H
      04250    LECT-DISC  X2     12          M  W  F   343  A H
      04251    LECT-DISC  E1      1          M  W  F   159  A H
      04252    LECT-DISC  E2      1          M  W  F   341  A H
      04253    LECT-DISC  F1      2          M  W  F   152  ADMIN
      04254    LECT-DISC  F2      2          M  W  F    56  M E B
      04255    LECT-DISC  G1      3          M  W  F    56  M E B
      04256    LECT-DISC  G2      3          M  W  F   155  A H
      04257    LECT-DISC  H1      4          M  W  F   159  A H
      04258    LECT-DISC  H2      4          M  W  F   341  A H
      04259    LECT-DISC *M       B          M  WTHF   241  N H B          LEAHEY

MATH  346     COMPLEX VARIABLES AND APPLICATIONS.
        PREREQUISITE--MATH. 343 OR CONSENT OF INSTRUCTOR.
        *CREDIT IS NOT GIVEN FOR BOTH MATH. 346 AND MATH. 348.
        *3 HOURS, OR 1 UNIT
      04260    LECT-DISC  A1      8          M  W  F   155  A H
      04261    LECT-DISC  A2      8          M  W  F   341  A H
      04262    LECT-DISC  C1     10          M  W  F   441  A H
      04263    LECT-DISC  X1     12          M  W  F   110  A H
      04264    LECT-DISC  E1      1          M  W  F   343  A H
      04265    LECT-DISC  F1      2          M  W  F   159  A H
      04266    LECT-DISC  G1      3          M  W  F   173  A H

MATH  347     INTRODUCTION TO HIGHER ANALYSIS, REAL VARIABLES.
        PREREQUISITE--MATH. 343 OR CONSENT OF INSTRUCTOR.
        3 HOURS, OR 1 UNIT
        *SECTION &A1 IS AN HONORS SECTIONS REQUIRING CONCURRENT
        REGISTRATION IN MATH. 249 SECTION &P.
        *SECTIONS D2 AND F1 ARE FOR ACADEMIC YEAR INSTITUTE STUDENTS
      04273    LECT-DISC *&A1     8          M  W  F   259  A H            PERESSINI
      04267    LECT-DISC  A2      8          M  W  F   257  A H
      04268    LECT-DISC  C1     10          M  W  F   257  A H
      04269    LECT-DISC  D1     11          M  W  F   343  A H
      04274    LECT-DISC *D2     11          M  W  F   441  A H            ZARING
      04270    LECT-DISC  E1      1          M  W  F   443  A H
      04275    LECT-DISC *F1      2          M  W  F   345  A H
      04271    LECT-DISC  G1      3          M  W  F   257  A H
      04272    LECT-DISC  H1      4          M  W  F   257  A H

MATH  348     INTRODUCTION TO HIGHER ANALYSIS--COMPLEX VARIABLES.
        PREREQUISITE--MATH. 347.
        *CREDIT IS NOT GIVEN FOR BOTH MATH. 346 AND 348.
        *3 HOURS, OR 1 UNIT
      04276    LECT-DISC  B1      9          M  W  F   147  A H
      04277    LECT-DISC  D1     11          M  W  F   347  A H
      04278    LECT-DISC  F1      2          M  W  F   102  A H
      04279    LECT-DISC  G1      3          M  W  F   343  A H

MATH  349     DIFFERENTIAL EQUATIONS AND ORTHOGONAL FUNCTIONS.
        PREREQUISITE--COMPLETION OF MATH. 347 WITH A GRADE OF B OR HIGHER,
        AND, FOR UNDERGRADUATES, CONCURRENT REGISTRATION IN MATH. 249.
        *CREDIT IS NOT GIVEN FOR BOTH MATH. 349 AND MATH. 345.
        *3 HOURS, OR 1 UNIT
        *SECTION &D1 IS AN HONORS SECTION REQUIRING CONCURRENT
        REGISTRATION IN MATH. 249 SECTION &Q.
      04280    LECT-DISC *&D1    11          M  W  F   173  A H            JERRARD

MATH  353     ELEMENTARY THEORY OF NUMBERS, I.
        PREREQUISITE--ONE YEAR OF CALCULUS.
        3 HOURS, OR 1 UNIT
      04281    LECT-DISC  E1      1          M  W  F   147  A H
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MATH 354 ELEMENTARY THEORY OF NUMBERS, II.
PREREQUISITE--MATH. 317 OR 353.
3 HOURS, OR 1 UNIT

04282	LECT-DISC	E1	1	M W F	169	A H			DIXON

MATH 358 MATHEMATICS FOR SOCIAL SCIENTISTS, I.
PREREQUISITE--MATH. 111 OR 112.
*CREDIT IS GIVEN ONLY TO STUDENTS MAJORING IN SOCIAL SCIENCE.
*CREDIT IS NOT GRANTED FOR MATH. 124-134 IN ADDITION TO
MATH 358-359.
*3 HOURS, OR 1/2 UNIT

04283	LECT-DISC	G1	3	M W F	205	G H			
04284	LECT-DISC	H1	4	M W F	110	L H			

MATH 359 MATHEMATICS FOR SOCIAL SCIENTISTS, II.
PREREQUISITE--MATH. 358.
*CREDIT IS GIVEN ONLY TO STUDENTS MAJORING IN SOCIAL SCIENCE.
*CREDIT IS NOT GRANTED FOR MATH. 124-134 IN ADDITION TO
MATH 358-359.
*3 HOURS, OR 1/2 UNIT

04285	LECT-DISC	H1	4	M W F	159	D H			

MATH 361 THEORY OF PROBABILITY.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04286	LECT-DISC	E1	1	M W F	137	ADMIN			KNIGHT

MATH 363 ADVANCED STATISTICS, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04287	LECT-DISC	B1	9	M W F	108	A H			
04288	LECT-DISC	B2	9	M W F	441	A H			
04289	LECT-DISC	F1	2	M W F	347	A H			
04290	LECT-DISC	G1	3	M W F	145	A H			

MATH 364 ADVANCED STATISTICS, II.
PREREQUISITE--MATH. 363.
3 HOURS, OR 1 UNIT

04291	LECT-DISC	D1	11	M W F	110	A H			

MATH 365 DIGITAL COMPUTER METHODS FOR STATISTICAL DATA PROCESSING.
SAME AS AGRON. 365.
PREREQUISITE--MATH. 195 AND A COURSE IN STATISTICS OR STATISTICAL
METHODS OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04292	LECT-DISC	D1	11	M W F	N107	T H			

MATH 371 ACTUARIAL THEORY, I.
PREREQUISITE--1 YEAR OF CALCULUS
3 HOURS, OR 1 UNIT

04293	LECT-DISC	F1	2	M W F	257	A H			PETERS

MATH 381 VECTOR AND TENSOR ANALYSIS.
PREREQUISITE--MATH. 343 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04294	LECT-DISC	B1	9	M W F	243	A H			ABERTH
04295	LECT-DISC	C1	10	M W F	343	A H			BISHOP
04296	LECT-DISC	D1	11	M W F	243	A H			GOLDBERG

MATH 382 VECTOR, TENSOR, AND MATRIX METHODS IN APPLIED MATHEMATICS.
PREREQUISITE--MATH. 381 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04297	LECT-DISC	C1	10	M W F	243	A H			LANGEBARTEL

MATH 387 INTRODUCTION TO NUMERICAL ANALYSIS.
PREREQUISITE--SENIOR STANDING, CALCULUS, AND A COURSE IN
DIFFERENTIAL EQUATIONS, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04298	LECT-DISC	C1	10	M W F	260	M E B			GEAR

MATH 391 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, I.
SAME AS E. E. 391.
PREREQUISITE--SENIOR STANDING, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

04299	LECT-DISC	B1	9	M W F	260	M E B			POPPELBAUM
04300	LECT-DISC	D1	11	M W F	260	M E B			MULLER

MATH 392 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, II.
SAME AS E. E. 392.
PREREQUISITE--MATH. 391.
3 HOURS, OR 1/2 OR 1 UNIT

04301	LECT-DISC	D1	11	M W F	345	A H			ABERTH

MATH 397 MATHEMATICAL THEORY OF DATA PROCESSING.
PREREQUISITE--MATH. 195, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04302	LECT-DISC	E1	1	M W F	260	M E B			MCCORMICK

COURSES FOR GRADUATES

MATH 401 SECOND COURSE IN ABSTRACT ALGEBRA, I.
PREREQUISITE--MATH. 317 AND 318.
1 UNIT

04303	LECT-DISC	F1	2	M W F	110	A H			
04304	LECT-DISC	G1	3	M W F	110	A H			

MATH 402 SECOND COURSE IN ABSTRACT ALGEBRA, II.
PREREQUISITE--MATH. 401.
1 UNIT

04305	LECT-DISC	G1	3	M W F	156	ADMIN			

MATH 403 THEORY OF RINGS.
PREREQUISITE--MATH. 401, 402 OR EQUIVALENT.
1 UNIT

04306	LECT-DISC	B1	9	M W F	110	A H			WEINBERG

MATH 404 GROUP THEORY.
PREREQUISITE--MATH. 401, 402 OR EQUIVALENT.
1 UNIT

04307	LECT-DISC	G1	3	M W F	108	A H			WALTER

MATH 407 GROUP REPRESENTATION THEORY.
PREREQUISITE--MATH. 401, 402 OR EQUIVALENT.
1 UNIT

04308	LECT-DISC	F1	2	M W F	341	A H			REINER

MATH 408 LIE GROUPS.
PREREQUISITE--MATH. 332, 404 AND 441.
1 UNIT

04309	LECT-DISC	E1	1	M W F	259	A H			BISHOP

MATH 414 LOGICAL FOUNDATIONS OF MATHEMATICS.
PREREQUISITE--PHIL. 333, OR MATH. 317 OR 347 OR CONSENT OF INSTRUCTOR.
1 UNIT

04310	LECT-DISC	C1	10	M W F	156	ADMIN			TAKEUTI

MATH 416 ADVANCED TOPICS IN ABSTRACT ALGEBRA.
PREREQUISITE--CONSENT OF INSTRUCTOR.
SECTION*D1 CONSIDERS RECURSIVE FUNCTIONS
SECTION*F1 CONSIDERS AXIOMATIC SET THEORY
SECTION*H1 CONSIDERS COMBINATORIAL PROBLEMS

04311	LECT-DISC	*D1	11	M W F	259	A H			MCLAUGHLIN
04312	LECT-DISC	*F1	2	M W F	259	A H			TAKEUTI
04313	LECT-DISC	*H1	4	M W F	259	A H			PARKER

MATH 420 PROJECTIVE GEOMETRY.
PREREQUISITE--MATH 328.
1 UNIT

04314	LECT-DISC	C1	10	M W F	259	A H			LEVY

MATH 422 ALGEBRAIC GEOMETRY.
PREREQUISITE--MATH. 328.
1 UNIT

04315	LECT-DISC	E1	1	M	W	F	241	A H	GRAY

MATH 423 DIFFERENTIAL GEOMETRY.
PREREQUISITE--MATH. 343, GRADUATE STANDING.
1 UNIT

04316	LECT-DISC	B1	9	M	W	F	249	A H	GOLDBERG

MATH 425 DIFFERENTIABLE MANIFOLDS, I.
PREREQUISITE--MATH. 318 AND 332.
1 UNIT

04317	LECT-DISC	C1	10-1130	TU	TH		108	A H	OSBORN

MATH 430 ELEMENTARY GEOMETRY FROM A MODERN VIEWPOINT.
PREREQUISITE--ONE YEAR OF EXPERIENCE IN THE TEACHING OF HIGH SCHOOL MATHEMATICS, CONSENT OF INSTRUCTOR.
1 UNIT

04318	LECT-DISC	D1	11	M	W	F	108	A H	
04319	LECT-DISC	F1	2	M	W	F	443	A H	LANDIN

MATH 431 ALGEBRAIC TOPOLOGY, I.
PREREQUISITE--MATH. 333.
1 UNIT

04320	LECT-DISC	G1	3	M	W	F	341	A H	BOURGIN

MATH 433 FIBRE SPACE.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04321	LECT-DISC	H1	4	M	W	F	145	A H	HELLER

MATH 434 COMBINATORIAL AND DIFFERENTIAL TOPOLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04322	LECT-DISC	C1	10	M	W	F	241	A H	CAIRNS

MATH 440 THEORY OF FUNCTIONS OF A COMPLEX VARIABLE, I.
PREREQUISITE--MATH. 348 OR CONSENT OF INSTRUCTOR.
1 UNIT

04323	LECT-DISC	D1	11	M	W	F	341	A H	

MATH 441 REAL ANALYSIS, I.
PREREQUISITE--MATH. 347 OR EQUIVALENT.
1 UNIT

04324	LECT-DISC	F1	2	M	W	F	241	A H	
04325	LECT-DISC	H1	4	M	W	F	241	A H	

MATH 442 REAL ANALYSIS, II.
PREREQUISITE--MATH. 441.
1 UNIT

04326	LECT-DISC	F1	2	M	W	F	156	ADMIN	

MATH 444 PARTIAL DIFFERENTIAL EQUATIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04327	LECT-DISC	A1	8	M	W	F	156	ADMIN	
04328	LECT-DISC	C1	10	M	W	F	110	A H	

MATH 447 BANACH SPACES.
PREREQUISITE--MATH. 442.
1 UNIT

04329	LECT-DISC	E1	1	M	W	F	243	A H	BARTLE

MATH 449 NORMED RINGS.
PREREQUISITE--MATH. 318 AND 446 OR 447.
1 UNIT

04330	LECT-DISC	D1	11	M	W	F	241	A H	

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MATH  451     THEORY OF PROBABILITY.
         PREREQUISITE--MATH. 442.
         1 UNIT
       04331    LECT-DISC  E1       1         M  W  F   173  A H            BURKHOLDER

MATH  455     MATHEMATICAL METHODS OF PHYSICS, I.
         PREREQUISITE--MATH. 348.
         1 UNIT
       04332    LECT-DISC  B1       9         M  W  F   341  A H            E J SCOTT
       04333    LECT-DISC  B2       9         M  W  F   156  ADMIN          JERRARD
       04334    LECT-DISC  D1      11         M  W  F   156  ADMIN          G BELFORD

MATH  456     MATHEMATICAL METHODS OF PHYSICS, II.
         PREREQUISITE--MATH. 455.
         1 UNIT
       04335    LECT-DISC  B1       9         M  W  F   169  A H

MATH  457     ANALYTICAL PROBLEMS IN NUMERICAL ANALYSIS.
         PREREQUISITE--MATH. 387 OR CONSENT OF INSTRUCTOR.
         1 UNIT
       04336    LECT-DISC  B1       9         M  W  F   173  A H            GILLIES

MATH  460     RELATIVITY AND COSMOLOGY.
              SAME AS ASTR. AND PHYCS. 424.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1 UNIT
       04337    LECT-DISC  F1       2         M  W  F   104  OBSERV         MCVITTIE

MATH  463     INFORMATION THEORY.
              SAME AS E.E. 463.
         PREREQUISITE--MATH. 361 OR E.E. 433.
         1 UNIT
       04338    LECT-DISC        ARR                                         ASH

MATH  468     TOPICS IN ANALYSIS.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1 UNIT
         *SECTION C1 CONSIDERS REAL VARIABLES--METRIC THEORY
         *SECTION B1 CONSIDERS INTEGRATION THEORY.
       04339    LECT-DISC *C1      10         M  W  F   247  A H            TRJITZINSKY
       04340    LECT-DISC *B1       9-1030     TU TH    347  A H            KRISHNAMUILTY

MATH  472     ECONOMETRICS.
              SAME AS ECON. 472.
         PREREQUISITE--MATH. 363, OR CONSENT OF INSTRUCTOR.
         1 UNIT
       04341    LECT-DISC         830-10      TU TH     11  COM W

MATH  474     THE THEORY OF ESTIMATION.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1 UNIT
       04342    LECT-DISC  C1      10         M  W  F   341  A H            WIJSMAN

MATH  478     TOPICS IN STATISTICS.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1 UNIT
       04343    LECT-DISC  G1       3         M  W  F   259  A H

MATH  490     READING COURSE.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1 TO 2 UNITS
       04344    DISC             ARR                                         STAFF

MATH  499     THESIS RESEARCH.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
       04345    DISC             ARR                                         STAFF
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MECHANICAL ENGINEERING

DEPARTMENT OFFICE 144 M E B

COURSES FOR UNDERGRADUATES

M E 182 MANUFACTURING PROCESSES.
PREREQUISITE--CREDIT OR REGISTRATION IN PHYCS. 107 AND MATH. 142 OR 143.
3 HOURS

04346	LECT-DISC	P1	9	M	W	F	218	M E B
04347	LECT-DISC	P2	9	M	W	F	101	WOODSHOP
04348	LECT-DISC	Q1	10	M	W	F	218	M E B
04349	LECT-DISC	Q2	10	M	W	F	101	WOODSHOP

M E 183 MATERIALS CASTING.
PREREQUISITE--G. E. 103, SOPHOMORE STANDING.
3 HOURS

04350	LECT-DISC	P	8	TU	TH		101	WOODSHOP
04351	LAB	P1	9-12	TU			FDY & PAT LAB	
04352	LAB	P2	9-12		TH		FDY & PAT LAB	
04353	LECT-DISC	Q	1	TU	TH		101	WOODSHOP
04354	LAB	Q1	2-5	TU			FDY & PAT LAB	
04355	LAB	Q2	2-5		TH		FDY & PAT LAB	
04356	LECT-DISC	R	1	M	W		101	WOODSHOP
04357	LAB	R1	2-5	M			FDY & PAT LAB	
04358	LAB	R2	2-5		W		FDY & PAT LAB	

M E 186 PRINCIPLES OF METAL CUTTING AND FORMING.
PREREQUISITE--CREDIT OR REGISTRATION IN INTEGRAL CALCULUS AND PHYCS. 107.
3 HOURS

04359	LECT-DISC	P	11	M		F	218	M E B
04360	LAB	P1	9-12	TU			217	M E B
04361	LAB	P2	9-12		TH		217	M E B
04362	LECT-DISC	Q	1	TU	TH		218	M E B
04363	LAB	Q1	2-5	TU			217	M E B
04364	LAB	Q2	2-5		TH		217	M E B

COURSES FOR ADVANCED UNDERGRADUATES

M E 202 THERMODYNAMICS AND HEAT TRANSFER.
PREREQUISITE--MATH. 345, PHYCS. 107, T A M 154 OR 211.
3 HOURS

04365	LECT-DISC	P	8	M	W	F	110	M E B
04366	LECT-DISC	Q	9	M	W	F	110	M E B
04367	LECT-DISC	R	10	M	W	F	253	M E B
04368	LECT-DISC	S	1	M	W	F	110	M E B
04369	LECT-DISC	T	2	M	W	F	160	M E B
04370	LECT-DISC	U	3	M	W	F	218	M E B

M E 205 THERMODYNAMICS.
PREREQUISITE--MATH. 142 OR 143, PHYCS. 107.
3 HOURS
* HONORS SECTION

04371	LECT-DISC	P1	10	M		F	160	M E B
		P1	10-12		W		160	M E B
04372	LECT-DISC	P2	10	M		F	135	M E B
		P2	10-12		W		135	M E B
04373	LECT-DISC	P3	10	M		F	236	M E B
		P3	10-12		W		236	M E B
04374	LECT-DISC	Q1	3	M		F	136	M E B
		Q1	3-5		W		136	M E B
04375	LECT-DISC	Q2	3	M		F	160	M E B
		Q2	3-5		W		160	M E B
04376	LECT-DISC	Q3	3	M		F	236	M E B
		Q3	3-5		W		236	M E B
04377	LECT-DISC	Q4	3	M		F	143B	M E B
		Q4	3-5		W		143B	M E B

M E 206 THERMODYNAMICS.
PREREQUISITE--M E 205.
3 HOURS

04378	LECT-DISC	P1	9	M	W	F	160	M E	B
04379	LECT-DISC	P2	9	M	W	F	204	M E	L
04380	LECT-DISC	Q1	2	M	W	F	135	M E	B
04381	LECT-DISC	Q2	2	M	W	F	204	M E	L

M E 207 THERMODYNAMICS.
PREREQUISITE--MATH 142 OR 143 AND PHYCS. 107.
3 HOURS
STUDENTS MUST REGISTER IN ONE LECTURE AND IN ONE DISC SECTION.

04382	LECT	P	3	M	W	F	204	M E	L
04383	LECT	Q	4	M	W	F	204	M E	L
04384	DISC	PQ1	1		TH		156	M E	B
04385	DISC	PQ2	2		TH		217	M E	L
04386	DISC	PQ3	3		TH		204	M E	L
04387	DISC	PQ4	4		TH		204	M E	L

M E 209 THERMODYNAMICS AND HEAT TRANSFER.
PREREQUISITE--MATH. 142 OR 143, PHYCS. 107.
3 HOURS

04388	LECT-DISC	P	9	M	W	F	236	M E	B
04389	LECT-DISC	Q	2	M	W	F	236	M E	B

M E 212 HEAT TRANSFER AND GAS DYNAMICS.
PREREQUISITE--M. E. 205, MATH. 345.
*CREDIT IS NOT GIVEN FOR BOTH M. E. 212 AND 254.
*5 HOURS

04390	LECT-DISC	P	1	MTUWTHF			253	M E B

M E 214 MECHANICAL ENGINEERING LABORATORY.
PREREQUISITE--M E 209.
3 HOURS

04391	LAB	P	9-12	TU TH			35	M E B
		P	9-12	TU TH	M E LAB			

M E 215 MECHANICAL ENGINEERING LABORATORY.
PREREQUISITE--M E 205 AND 206.
2 HOURS

04392	LAB	P	1-4	TU TH			35	M E B
		P	1-4	TU TH	M E LAB			

M E 221 MECHANICS OF MACHINERY.
PREREQUISITE--T A M 156 OR REGISTRATION IN T A M 211.
5 HOURS
*HONORS SECTION

04393	LECT-DISC	P1	8	M	W	F	343	M E	B
04393	LAB	P1	9-12	TU TH			353	M E	B
04394	LECT-DISC	P2	8	M	W	F	335	M E	B
04394	LAB	P2	9-12	TU TH			349	M E	B
04398	LECT-DISC	*&Q1	9	M	W	F	343	M E	B
04398	LAB	*&Q1	9-12	TU TH			343	M E	B
04395	LECT-DISC	Q2	9	M	W	F	335	M E	B
04395	LAB	Q2	9-12	TU TH			335	M E	B
04396	LECT-DISC	R1	8	M	W	F	335	M E	B
04396	LAB	R1	1-4	TU TH			335	M E	B
04397	LECT-DISC	R2	1	M	W	F	343	M E	B
04397	LAB	R2	1-4	TU TH			343	M E	B

M E 222 MECHANICS OF MACHINERY.
PREREQUISITE--JUNIOR STANDING IN AERONAUTICAL AND ASTRONAUTICAL ENGINEERING.
3 HOURS

04399	LECT-DISC	P	10-12	M	W	F	335	M E	B

M E 224 DESIGN OF MACHINE ELEMENTS.
PREREQUISITE--M E 221, OR M E 222, T A M 221, CREDIT OR REGISTRATION IN T A M 223.
3 HOURS

04400	LECT-DISC	P1	8-10	M	W	F	336	M E	B
04401	LECT-DISC	P2	8-10	M	W	F	358	M E	B
04402	LECT-DISC	Q1	10-12	M	W	F	336	M E	B
04403	LECT-DISC	Q2	10-12	M	W	F	358	M E	B
04404	LECT-DISC	R1	2-4	M	W	F	336	M E	B
04405	LECT-DISC	R2	2-4	M	W	F	358	M E	B

M E 234 HEAT TREATMENT OF METALS.
PREREQUISITE--T A M 221, CREDIT OR REGISTRATION IN M E 224 AND T A M 223.
3 HOURS

04406	LECT-DISC	P	8	TU TH	110	M E B
04407	LAB	P1	9-12	TU	110	M E B
		P1	9-12	TU	114	M E B
04408	LAB	P2	9-12	TH	110	M E B
		P2	9-12	TH	114	M E B
04409	LECT-DISC	Q	11	M W	110	M E B
04410	LAB	Q1	2-5	TU	110	M E B
		Q1	2-5	TU	114	M E B
04411	LAB	Q2	2-5	TH	110	M E B
		Q2	2-5	TH	114	M E B
04412	LECT-DISC	R	1	TU TH	110	M E B
04413	LAB	R1	2-5	M	110	M E B
		R1	2-5	M	114	M E B

M E 252 HEATING AND AIR CONDITIONING FOR ARCHITECTS.
PREREQUISITE--JUNIOR STANDING.
4 HOURS

04414	LECT-DISC	P	11	MTU THF	240	[illegible]

M E 254 HEAT TRANSFER AND GAS DYNAMICS.
PREREQUISITE--M. E. 205, CREDIT OR REGISTRATION IN T A M 232.
*CREDIT IS NOT GIVEN FOR BOTH M. E. 254 AND 212.
*3 HOURS

04415	LECT-DISC	P	11	M W F	136	M E B

M E 256 INTERNAL COMBUSTION ENGINES.
PREREQUISITE--M E 206.
3 HOURS

04416	LECT-DISC	P	9	M F	143A	M E B
04417	LAB	P1	8-10	TU	101	M E B
04418	LAB	P2	10-12	TH	101	M E B
04419	LAB	P3	1-3	TU	101	M E B

M E 257 GAS TURBINES.
PREREQUISITE--M.E. 206, AND 212 OR EQUIVALENT.
3 HOURS

04420	LECT-DISC	[illegible]	11	M F	135	M E B
04421	LAB	P1	10-12	TU	101	M E B
04422	LAB	P2	8-10	TH	101	M E B
04423	LAB	P3	1-3	TH	101	M E B

M E 259 REFRIGERATION.
PREREQUISITE--M E 206 AND 212.
3 HOURS

04424	LECT-DISC	P	10	M W F	136	M E B

M E 260 AIR FLOW AND CONDITIONING.
PREREQUISITE--M E 206 AND 212.
3 HOURS

04425	LECT-DISC	P	8	M F	143A	M E B
		P	8-10	W	143A	M E B
04426	LECT-DISC	Q	3	M F	143A	M E B
		Q	3-5	W	143A	M E B

M E 263 APPLICATION OF ENERGY CONCEPTS TO POWER PROCESSES.
PREREQUISITE--M.E. 206 AND 212.
5 HOURS

04427	LECT-DISC	P	8	M W F	253	M E B
04428	LAB	P1	8-10	TU TH	204	M E L
		P1	8-10	TU TH	101	M E B
		P1	8-10	TU TH	M E LAB	
04429	LAB	P2	10-12	TU TH	204	M E L
		P2	10-12	TU TH	101	M E B
		P2	10-12	TU TH	M E LAB	
04430	LAB	P3	1-3	TU TH	204	M E L
		P3	1-3	TU TH	101	M E B
		P3	1-3	TU TH	M E LAB	

M E 264 HEAT POWER LABORATORY.
PREREQUISITE--M E 212 AND 263.
3 HOURS

04431	LAB	P	10-12	M	W	F	112	M E L
		P	10-12	M	W	F	101	M E P
		P	10-12	M	W	F	M E LAB	
04432	LAB	Q	1-3	M	W	F	112	M E L
		Q	1-3	M	W	F	101	M E B
		Q	1-3	M	W	F	M E LAB	

M E 271 DESIGN OF MACHINE ELEMENTS.
PREREQUISITE--M E 224.
3 HOURS
* HONORS SECTION.

04433	LECT-DISC	P1	8-10	M	W	F	353	M E B
04434	LECT-DISC	P2	8-10	M	W	F	349	M E B
04438	LECT-DISC	*Q01	10-12	M	W	F	353	M E B
04435	LECT-DISC	Q2	10-12	M	W	F	349	M E B
04436	LECT-DISC	R1	1-3	M	W	F	353	M E B
04437	LECT-DISC	R2	1-3	M	W	F	349	M E B

M E 284 WELDING ENGINEERING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS

04439	LECT-DISC	P	3	M		F	335	M E B
		P	9	TU			336	M E B
04439	LAB	P	10-12	TU			221	M E B

M E 291 SEMINAR.
PREREQUISITE--SENIOR STANDING IN MECHANICAL ENGINEERING, MUST BE TAKEN FIRST SEMESTER OF SENIOR YEAR.
NO CREDIT

04440	LECT	P	4	TU			218	M E B

M E 293 SPECIAL PROJECTS.
PREREQUISITE--SENIOR STANDING IN MECHANICAL ENGINEERING, CONSENT OF HEAD OF DEPARTMENT.
3 HOURS

04441	CONF	P	ARR					

M E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS

04442	CONF	GP	ARR					

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

M E 301 THERMODYNAMICS.
PREREQUISITE--M E 206, OR EQUIVALENT, AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04443	LECT	3	M	W	F	343	M E B		SOO

M E 302 NUCLEAR POWER ENGINEERING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04444	LECT-DISC	9	M	W	F	135	M E B		LARSON

M E 305 THERMODYNAMICS OF HIGH VELOCITY FLOW.
PREREQUISITE--M. E. 206 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04445	LECT-DISC	11	M	W	F	143A	M E B		ADDY, CHOW

M E 306 INDUSTRIAL HEAT TRANSFER.
PREREQUISITE--UNDERGRADUATE COURSES IN FLUID MECHANICS AND HEAT TRANSFER.
4 HOURS, OR 1 UNIT

04446	LECT-DISC	3-5	TU	TH		143A	M E B		HERING, SAVAGE

M E 309 EXPERIMENTAL GAS DYNAMICS.
PREREQUISITE--M.E. 305 OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT
04447 LECT-DISC ARR ADDY, CHOW

M E 312 THEORY OF CONTROLS.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
04448 LECT 1 M W F 143B M E B TURKOVICH

M E 341 ENGINEERING ANALYSIS AND DESIGN.
PREREQUISITE--M E 271, SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
04449 LECT-DISC P 8-10 M W F 332 M E B
04450 LECT-DISC Q 9-12 TU TH 332 M E B

M E 342 KINEMATIC ANALYSIS AND SYNTHESIS.
PREREQUISITE--UNDERGRADUATE COURSE IN KINEMATICS AND SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
04451 LECT-DISC 8 M W F 362 M E B BROGHAMER

COURSES FOR GRADUATES

M E 401 THERMODYNAMICS AND TRANSPORT PROPERTIES.
PREREQUISITE--M E 301 OR CONSENT OF INSTRUCTOR.
1 UNIT
04452 LECT-DISC 10-12 TU TH 143B M E B SOO

M E 404 GAS DYNAMICS.
PREREQUISITE--DIFFERENTIAL EQUATIONS, THERMODYNAMICS, FLUID MECHANICS.
1 UNIT
04453 LECT-DISC 3-5 TU TH 236 M E B CHOW, KORST

M E 406 HEAT CONDUCTION IN SOLIDS.
PREREQUISITE--UNDERGRADUATE COURSE IN HEAT TRANSFER AND DIFFERENTIAL EQUATIONS.
1 UNIT
04454 LECT-DISC 3-5 M W 349 M E B CHAO, HERING

M E 408 LABORATORY INVESTIGATIONS IN THERMODYNAMICS.
PREREQUISITE--ONE-YEAR COURSE IN THERMODYNAMICS, ONE HALF-YEAR COURSE IN POWER LABORATORY.
1/2 TO 1 1/2 UNITS
04455 CONF ARR BAIR, JACKSON, SOO, STOECKER

M E 409 LABORATORY INVESTIGATIONS IN FLUID FLOW, HEAT TRANSFER, AND COMBUSTION
PREREQUISITE--COURSES IN THERMODYNAMICS AND FLUID MECHANICS.
1/2 TO 1 1/2 UNITS
04456 CONF ARR ADDY, BAIR, CHAO, CHOW, HERING, KORST, LARSON, SAVAGE, STOECKER

M E 421 HEATING AND AIR CONDITIONING.
PREREQUISITE--UNDERGRADUATE COURSE IN HEATING, VENTILATING, AND AIR CONDITIONING.
1 UNIT
04457 LECT-DISC 8-10 TU TH 236 M E B STOECKER

M E 428 LABORATORY INVESTIGATIONS IN REFRIGERATION.
1/2 TO 1 1/2 UNITS
04458 CONF ARR STOECKER

M E 429 LABORATORY INVESTIGATIONS IN HEATING AND AIR CONDITIONING.
PREREQUISITE--TWO SEMESTERS OF POWER LABORATORY OR EQUIVALENT.
1/2 TO 1 1/2 UNITS
04459 CONF ARR HARRIS, KONZO, STOECKER

M E 438 LABORATORY INVESTIGATIONS IN POWER MACHINERY.
PREREQUISITE--ONE-YEAR COURSE IN POWER LABORATORY.
1/2 TO 1 1/2 UNITS
04460 CONF ARR HEBRANK, HULL, STROUT

M E 443 DYNAMICS OF MACHINERY.
PREREQUISITE--UNDERGRADUATE COURSE IN DYNAMICS OF MACHINES, ONE YEAR OF MACHINE DESIGN.
1 UNIT
04461 LECT-DISC 9-12 TU TH 358 M E B RYAN

M E 445 DESIGN OF INTERNAL COMBUSTION ENGINES.
PREREQUISITE--UNDERGRADUATE COURSES IN DYNAMICS OF MACHINES AND IN INTERNAL COMBUSTION ENGINES, ONE YEAR OF MACHINE DESIGN.
1 UNIT
04462 LECT-DISC ARR HULL

M E 448 LABORATORY INVESTIGATIONS IN MACHINE DESIGN.
1/2 TO 1 1/2 UNITS, SUMMER--1 UNIT
04463 CONF ARR ADKINS, BROGHAMER, OFFNER, RADZIMOVSKY, RYAN

M E 451 METAL CUTTING.
PREREQUISITE--UNDERGRADUATE COURSES IN ADVANCED METAL PROCESSING AND HEAT TREATMENT OF METALS OR PHYSICAL METALLURGY.
1 UNIT
04464 DISC 2-4 TU TH 235 M E B TRIGGER

M E 458 LABORATORY INVESTIGATIONS IN PRODUCTION.
1/2 TO 1 1/2 UNITS
04465 CONF ARR DOYLE, LEACH, TRIGGER, TURKOVICH

M E 493 SEMINAR.
NO CREDIT
04466 DISC ARR KONZO

M E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
04467 CONF ARR STAFF

MEDIEVAL CIVILIZATION STUDIES PROGRAM

MAJOR--STUDENTS WHO ELECT MEDIEVAL CIVILIZATION AS A MAJOR MUST COMPLETE THE LOWER DIVISION REQUIREMENTS OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES AND FORTY SEMESTER HOURS--WHICH SATISFIES BOTH THE MAJOR AND MINOR REQUIREMENTS--IN COURSES CHOSEN FROM THE FOLLOWING LIST--ARCH. 214, ART 312, CLASS 301, 302, ENGL. 311, 320, HIST. 201, 301, 302, 303, 304, 305, 333, 345, ITAL. 311, 312, LAT. 104, PHIL. 304, SPCH. 361. OTHER COURSES MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ADVISER--ADVANCED READING COURSES IN ANY FOREIGN LANGUAGE OFFERED BY THE UNIVERSITY ARE STRONGLY RECOMMENDED. ADVISER--PROFESSOR DENO GEANAKOPLOS, 353 ARMORY.

METALLURGICAL ENGINEERING

DEPARTMENT OFFICE 201 M M B

COURSES FOR ADVANCED UNDERGRADUATES

MET E 201 PHYSICAL METALLURGY, I.
PREREQUISITE--PHYCS. 107.
3 HOURS

04468	LECT-DISC	A	11	M W F	403	M M B		REAP

MET E 203 PHYSICAL METALLURGY LABORATORY, I.
PREREQUISITE--REGISTRATION IN MET. E. 201.
1 HOUR

04469	LAB	A	1-4	W	212	M M B		BEAMAN
04470	LAB	B	2-5	F	212	M M B		BEAMAN

MET E 207 EXTRACTIVE METALLURGY, I.
PREREQUISITE--JUNIOR STANDING IN METALLURGICAL ENGINEERING OR EQUIVALENT.
3 HOURS

04471	LECT-DISC		9	M W F	305	M M B		RICKETTS

MET E 234 METALLURGY FOR ENGINEERS.
PREREQUISITE--CHEM. 104 OR 105, REGISTRATION IN T.A.M. 221.
3 HOURS

04472	LECT-DISC		1	TU TH	119	M M B		ALTSTETTER
04473	QUIZ	A	9	TU	204	T B		
04474	QUIZ	B	10	TU	204	T B		

MET E 251 PHYSICAL METALLURGY, III.
PREREQUISITE--MET. E. 201 AND 203.
3 HOURS

04475	LECT-DISC		8	M W F	305	M M B		BOHL

MET E 253 PHYSICAL METALLURGY LABORATORY, III.
PREREQUISITE--REGISTRATION IN MET. E. 251.
3 HOURS

04476	LAB	A	9-12	TU TH	212	M M B		FORSYTH
04477	LAB	B	2-5	TU TH	212	M M B		SCHUSTER

MET E 294 METALLURGICAL SEMINAR.
PREREQUISITE--SENIOR STANDING IN METALLURGICAL ENGINEERING.
1 HOUR

04478	DISC		ARR					STAFF

MET E 295 METALLURGICAL SEMINAR.
PREREQUISITE--SENIOR STANDING IN METALLURGICAL ENGINEERING.
1 HOUR

04479	DISC		ARR					STAFF

MET E 299 THESIS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
1 TO 3 HOURS

04480	CONF	&	ARR					

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MET E 307 CORROSION OF METALS.
PREREQUISITE--M.E. 234 OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT

04481	LECT-DISC		10	M W F	403	M M B		BRUCKNER

MET E 311 ADVANCED PHASE DIAGRAMS.
PREREQUISITE--MET. E. 201, OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT

04482	LECT-DISC		2	M W	305	M M B	ECKEL

MET E 315 METALLURGICAL KINETICS.
PREREQUISITE--MET. E. 208 AND MET. E. 314.
3 HOURS, OR 3/4 UNIT

04483	LECT-DISC		11	M W F	305	M M B	METZGER

MET E 384 PROPERTIES OF SOLIDS.
PREREQUISITE--PHYCS. 383.
3 HOURS, OR 3/4 UNIT

04484	LECT	A	11	M W F	119	M M B	LIEBERMAN
04485	LECT	B	9	TU TH S	119	M M B	THOMSON

MET E 385 STRUCTURAL PHYSICAL METALLURGY.
NOT OPEN TO GRADUATE STUDENTS WITH AN UNDERGRADUATE MAJOR IN METALLURGY.
PREREQUISITE--PHYSICAL CHEMISTRY OR CLASSICAL THERMODYNAMICS, DIFFERENTIAL EQUATIONS AND CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT

04486	LECT-DISC		ARR				STAFF

COURSES FOR GRADUATES

MET E 405 ADVANCED PHYSICS OF METALS.
PREREQUISITE--MATH. 343 AND 345, PHYCS. 381 OR 383, MET. E. 318, OR CONSENT OF INSTRUCTOR.
1 UNIT

04487	LECT-DISC		1	M W F	403	M M B	STAFF

MET E 407 PLASTIC DEFORMATION AND ANNEALING OF METALS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04488	LECT-DISC		2	THF	403	M M B	BECK
			3	F	403	M M B	BECK

MET E 409 CRYSTAL PHYSICS.
PREREQUISITE--CONSENT OF INSTRUCTOR, BACKGROUND REQUIRED INCLUDES VECTOR ALGEBRA, DETERMINANTS, AND THERMODYNAMICS.
1 UNIT

04489	LECT-DISC	A	8-930	TU TH	403	M M B	WAYMAN

MET E 420 METALLURGICAL THERMODYNAMICS.
PREREQUISITE--MET. E. 314 OR EQUIVALENT.
1 UNIT

04490	LECT-DISC	A	9	M W F	403	M M B	ROWLAND

MET E 493 SEMINAR ON ANELASTICITY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT

04491	CONF		3	M	403	M M B	STAFF

MET E 494 SEMINAR ON PHASE TRANSFORMATIONS IN METALS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT

04492	CONF	A	3	TH	403	M M B	LIEBERMAN, READ, WAYMAN

MET E 495 SEMINAR ON DIFFUSION AND IMPERFECTIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT

04493	CONF	A	3	TU	403	M M B	METZGER, BIRNBAUM

MET E 497 SEMINAR ON ALLOY PHASES.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT

04494	CONF	A	4	F	403	M M B	BECK

MET E 498 COLLOQUIUM IN PHYSICAL METALLURGY.
REQUIRED OF ALL GRADUATE STUDENTS IN METALLURGICAL ENGINEERING.
NO CREDIT

04495	LECT	A	4	W	119	M M B	STAFF

MET E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

04496	CONF	ARR	

MICROBIOLOGY

DEPARTMENT OFFICE 127 BURRILL HALL

MAJOR--TWENTY HOURS OF MICROBIOLOGY, INCLUDING EITHER MCBIO. 100 AND 101, OR MCBIO. 200 AND 201. BOT. 210--ZOOL. 210--AND CHEM. 340, 350, AND 355 MAY BE SUBSTITUTED FOR MICROBIOLOGY COURSES TO THE EXTENT OF FIVE HOURS AS PART OF THE MAJOR. QUANTITATIVE AND ORGANIC CHEMISTRY, COLLEGE ALGEBRA, AND TRIGONOMETRY ARE REQUIRED.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ASTRONOMY, BIOLOGY, BOTANY, CHEMISTRY, ENTOMOLOGY, MATHEMATICS, PHYSICS, PHYSIOLOGY, AND ZOOLOGY. NO COURSE MAY APPLY TO BOTH THE MAJOR AND THE MINOR.

COURSES FOR UNDERGRADUATES

MCBIO 100 INTRODUCTORY MICROBIOLOGY.
3 HOURS

04497	LECT		2	M W F	151	E E B	CLARK

MCBIO 101 INTRODUCTORY EXPERIMENTAL MICROBIOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN MCBIO. 100.
2 HOURS

04498	LAB	A	8-10	M W	242	BUR HALL	CLARK AND
04499	LAB	B	3-5	M W	242	BUR HALL	ASSISTANTS
04500	LAB	C	10-12	TU TH	242	BUR HALL	
04501	LAB	D	1-3	TU TH	242	BUR HALL	

COURSES FOR ADVANCED UNDERGRADUATES

MCBIO 207 RESEARCH AND SPECIAL PROBLEMS.
PREREQUISITE--FIFTEEN HOURS OF MICROBIOLOGY, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 10 HOURS.
*3 TO 5 HOURS

04502	CONF	&	ARR			BUR HALL	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MCBIO 309 CULTIVATION AND PROPERTIES OF MICROORGANISMS.
PREREQUISITE--ORGANIC CHEMISTRY.
5 HOURS, OR 1 UNIT

04503	LECT		1	M W F	140	BUR HALL	WOLFE
04503	LAB		2-4	M W F	202	BUR HALL	WOLFE AND ASSISTANTS

MCBIO 326 PATHOGENIC BACTERIOLOGY.
PREREQUISITE--MCBIO. 101 OR 201 OR 309, ORGANIC CHEMISTRY.
5 HOURS, OR 1 UNIT

04504	LECT		8	M W F	136	BUR HALL	MCCAMISH
04504	LAB		8-11	TU TH	202	BUR HALL	MCCAMISH, HELM

MCBI 330 ADVANCED MICROBIOLOGY.
PREREQUISITE--MCBIO. 101 OR 201 OR EQUIVALENT, AND CREDIT OR REGISTRATION IN BIOCHEMISTRY, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

04505	LECT	10	M W F	140	BUR HALL	SPIEGELMAN, WOESE

COURSES FOR GRADUATES

MCBIO 405 MICROBIOLOGICAL GENETICS.
SAME AS ZOOL. 405.
PREREQUISITE--BOT. 210 OR ZOOL. 210, MATHEMATICS THROUGH CALCULUS, OR CONSENT OF INSTRUCTOR.
3/4 UNIT

04506	LECT	11	M W F	136	BUR HALL	ATWOOD

MCBIO 490 INDIVIDUAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR
1/2 TO 2 UNITS

04507	CONF	ARR			BUR HALL	STAFF

MCBIO 494 CHEMICAL BASIS OF BIOLOGICAL SPECIFICITY.
SAME AS CHEM. 494.
PREREQUISITE--CHEM. 344, 350, AND 346 OR 450, MCBIO. 330 OR CONSENT OF INSTRUCTOR.
3/4 UNIT

04508	LECT-DISC	10	TU TH	116	E C	WEBER,
		10	S	115	E C	SPIEGELMAN, NISONOFF

MCBIO 495 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS MICROBIOLOGY.
PREREQUISITE--TEN HOURS OF MICROBIOLOGY, CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT

04509	CONF	4	TH	124	BUR HALL	STAFF

MCBIO 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

04510	CONF	ARR			BUR HALL	STAFF

MILITARY SCIENCE

DEPARTMENT OFFICE 110 ARMORY

BASIC MILITARY CURRICULUM

ENTERING MALE STUDENTS WHO ARE PHYSICALLY QUALIFIED AND WHO HAVE BEEN SELECTED FOR ENROLLMENT MUST, IN ADDITION TO REQUIRED MILITARY SCIENCE COURSES, REGISTER IN EITHER A NATURAL SCIENCE OR SOCIAL SCIENCE GENERAL EDUCATION SEQUENCE ACCEPTABLE TO THE MILITARY SCIENCE DEPARTMENT AND THE STUDENTS COLLEGE.

COMMON COURSES

MIL S 100 LEADERSHIP LABORATORY.
PREREQUISITE--APPROVAL OF THE PROFESSOR OF MILIARY SCIENCE.
FIELD TRIP MAY BE REQUIRED.
NO CREDIT
ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.

04511	LAB	A	10	M		ARMORY FLOOR	STAFF
04512	LAB	B	11	TU		ARMORY FLOOR	
04513	LAB	C	1	TU		ARMORY FLOOR	
04514	LAB	D	11	W		ARMORY FLOOR	
04515	LAB	E	1	W		ARMORY FLOOR	
04516	LAB	F	8	TH		ARMORY FLOOR	
04517	LAB	G	10	TH		ARMORY FLOOR	
04518	LAB	H	2	TH		ARMORY FLOOR	
04519	LAB	I	8	F		ARMORY FLOOR	

COURSES FOR UNDERGRADUATES

MIL S 101 INTRODUCTION TO MILITARY SCIENCE.
PREREQUISITE--APPROVAL OF PROFESSOR OF MILITARY SCIENCE,
CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED
GENERAL EDUCATION NATURAL OR SOCIAL SCIENCE SEQUENCE.
1 HOUR

04520	LAB-DISC	A	9	M	182	ARMORY	STAFF
04521	LAB-DISC	B	10	M	182	ARMORY	
04522	LAB-DISC	C	2	M	182	ARMORY	
04523	LAB-DISC	D	8	TU	182	ARMORY	
04524	LAB-DISC	E	9	TU	182	ARMORY	
04525	LAB-DISC	F	10	TU	182	ARMORY	
04526	LAB-DISC	G	11	TU	182	ARMORY	
04527	LAB-DISC	H	1	TU	182	ARMORY	
04528	LAB-DISC	I	8	W	182	ARMORY	
04529	LAB-DISC	J	9	W	182	ARMORY	
04530	LAB-DISC	K	10	W	182	ARMORY	
04531	LAB-DISC	L	11	W	182	ARMORY	
04532	LAB-DISC	M	1	W	182	ARMORY	
04533	LAB-DISC	N	8	TH	182	ARMORY	
04534	LAB-DISC	O	10	TH	182	ARMORY	
04535	LAB-DISC	P	1	TH	182	ARMORY	
04536	LAB-DISC	Q	2	TH	182	ARMORY	
04537	LAB-DISC	R	8	F	182	ARMORY	
04538	LAB-DISC	S	9	F	182	ARMORY	
04539	LAB-DISC	T	10	F	182	ARMORY	

MIL S 102 MILITARY MAP AND AERIAL PHOTOGRAPH ANALYSIS.
CREDIT OR REGISTRATION IN MIL S 101, CONCURRENT ENROLLMENT IN
MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION NATURAL OR
SOCIAL SCIENCE SEQUENCE
1 HOUR

04540	LECT-DISC	A	9	M	172	ARMORY	STAFF
04541	LECT-DISC	B	10	M	172	ARMORY	
04542	LECT-DISC	C	11	M	172	ARMORY	
04543	LECT-DISC	D	1	M	172	ARMORY	
04544	LECT-DISC	E	2	M	172	ARMORY	
04545	LECT-DISC	F	9	TU	172	ARMORY	
04546	LECT-DISC	G	11	TU	172	ARMORY	
04547	LECT-DISC	H	1	TU	172	ARMORY	
04548	LECT-DISC	I	2	TU	172	ARMORY	
04549	LECT-DISC	J	8	W	172	ARMORY	
04550	LECT-DISC	K	10	W	172	ARMORY	
04551	LECT-DISC	L	11	W	172	ARMORY	
04552	LECT-DISC	M	1	W	172	ARMORY	
04553	LECT-DISC	N	2	W	172	ARMORY	
04554	LECT-DISC	O	8	TH	172	ARMORY	
04555	LECT-DISC	P	9	TH	172	ARMORY	
04556	LECT-DISC	Q	10	TH	172	ARMORY	
04557	LECT-DISC	R	11	TH	172	ARMORY	
04558	LECT-DISC	S	2	TH	172	ARMORY	
04559	LECT-DISC	T	9	F	172	ARMORY	

MIL S 103 INTRODUCTION TO TACTICS.

PREREQUISITE--CREDIT OR REGISTRATION IN MIL S 102, OR CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION NATURAL OR SOCIAL SCIENCE SEQUENCE

1 HOUR

04560	LECT-DISC	A	8	M	313	ARMORY	STAFF
04561	LECT-DISC	B	11	M	313	ARMORY	
04562	LECT-DISC	C	1	M	313	ARMORY	
04563	LECT-DISC	D	8	TU	313	ARMORY	
04564	LECT-DISC	E	10	TU	313	ARMORY	
04565	LECT-DISC	F	2	TU	313	ARMORY	
04566	LECT-DISC	G	9	W	313	ARMORY	
04567	LECT-DISC	H	2	W	313	ARMORY	
04568	LECT-DISC	I	9	TH	313	ARMORY	
04569	LECT-DISC	J	11	TH	313	ARMORY	
04570	LECT-DISC	K	1	TH	313	ARMORY	
04571	LECT-DISC	L	8	F	313	ARMORY	
04572	LECT-DISC	M	10	F	313	ARMORY	

SECOND YEAR STUDENTS SELECTED FOR CONTINUATION MUST, IN ADDITION TO THE REQUIRED MILITARY SCIENCE COURSES, REGISTER IN EITHER A NATURAL SCIENCE OR SOCIAL SCIENCE GENERAL EDUCATION SEQUENCE ACCEPTABLE TO THE MILITARY SCIENCE DEPARTMENT AND THE STUDENTS COLLEGE.

MIL S 111 PRINCIPLES OF MILITARY LEADERSHIP.

PREREQUISITE--MIL S 103, CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION NATURAL OR SOCIAL SCIENCE SEQUENCE.

1 HOUR

04573	LECT-DISC	A	9	M	183	ARMORY	STAFF
04574	LECT-DISC	B	11	M	173	ARMORY	
04575	LECT-DISC	C	2	M	173	ARMORY	
04576	LECT-DISC	D	8	TU	173	ARMORY	
04577	LECT-DISC	E	10	TU	172	ARMORY	
04578	LECT-DISC	F	2	TU	183	ARMORY	
04579	LECT-DISC	G	10	W	173	ARMORY	
04580	LECT-DISC	H	1	W	173	ARMORY	
04581	LECT-DISC	I	9	TH	182	ARMORY	
04582	LECT-DISC	J	11	TH	173	ARMORY	
04583	LECT-DISC	K	2	TH	183	ARMORY	
04584	LECT-DISC	L	9	F	183	ARMORY	

MIL S 112 AMERICAN MILITARY HISTORY.

PREREQUISITE--MIL S 103, CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION NATURAL OR SOCIAL SCIENCE SEQUENCE.

2 HOURS

04585	LECT-DISC	A	11	M W	183	ARMORY	STAFF
04586	LECT-DISC	B	1	M W	183	ARMORY	STAFF
04587	LECT-DISC	C	8	TU TH	183	ARMORY	STAFF
04588	LECT-DISC	D	9	TU TH	183	ARMORY	STAFF
04589	LECT-DISC	E	10	TU TH	183	ARMORY	STAFF
04590	LECT-DISC	F	1	TU TH	183	ARMORY	STAFF
04591	LECT-DISC	G	8	W F	183	ARMORY	STAFF
04592	LECT-DISC	H	10	W F	183	ARMORY	STAFF

ADVANCED MILITARY CURRICULUM

SELECTED MALE STUDENTS WHO HAVE COMPLETED THE BASIC MILITARY COURSE OR ITS EQUIVALENT, AND WHO HAVE SATISFACTORILY PASSED PHYSICAL AND SCREENING EXAMINATIONS MAY APPLY FOR ENROLLMENT IN THE ADVANCED MILITARY CURRICULUM. EACH ADVANCED MILITARY CURRCIULUM STUDENT IS PAID A SUBSISTENCE ALLOWANCE. HE MUST ATTEND ROTC SUMMER TRAINING CAMP BETWEEN HIS FIRST AND SECOND YEAR IN THE ADVANCED PROGRAM. SUCCESSFUL COMPLETION OF THE CURRICULUM BY SELECTED STUDENTS NORMALLY RESULTS IN A COMMISSION AS A SECOND LIEUTENANT, U. S. ARMY RESERVE. SELECTED STUDENTS MEETING THE REQUIREMENTS MAY BE COMMISSIONED IN THE REGULAR ARMY.

STUDENTS ENROLLED IN THE REQUIRED MILITARY SCIENCE COURSES MUST, IN ADDITION, ENROLL IN THE THIRD AND IN THE FOURTH YEAR IN AN APPROVED COURSE OF ANOTHER DEPARTMENT. SELECTION OF THESE COURSES MUST BE APPROVED BY THE MILITARY SCIENCE DEPARTMENT ADVISOR AND BE ACCEPTABLE TO THE STUDENTS MAJOR DEPARTMENT.

COURSES FOR ADVANCED UNDERGRADUATES

MIL S 201 PRINCIPLES OF MILITARY INSTRUCTION.
PREREQUISITE--APPROVAL OF PROFESSOR OF MILITARY SCIENCE, MIL S 111 AND 112 OR EQUIVALENT, CONCURRENT ENROLLMENT IN MIL S 100.
1 HOUR

04593	LECT-DISC	A	11	TU	173	ARMORY	STAFF
04594	LECT-DISC	B	2	TU	182	ARMORY	
04595	LECT-DISC	C	9	W	183	ARMORY	
04596	LECT-DISC	D	8	TH	173	ARMORY	
04597	LECT-DISC	E	10	TH	300	ARMORY	
04598	LECT-DISC	F	11	F	173	ARMORY	

MIL S 202 INTRODUCTORY MILITARY OPERATIONS.
PREREQUISITE--APPROVAL OF PROFESSOR OF MILITARY SCIENCE, MIL S 111 AND 112 OR EQUIVALENT, CONCURRENT ENROLLMENT IN MIL S 100.
3 HOURS

04599	LECT-DISC	A	8	M W F	300	ARMORY	STAFF
04600	LECT-DISC	B	9-11	TU	300	ARMORY	
		B	9	TH	300	ARMORY	
04601	LECT-DISC	C	1	TU	300	ARMORY	
		C	1-3	TH	300	ARMORY	

MIL S 210 MILITARY LAW.
PREREQUISITE--MIL S 202 AND CONCURRENT ENROLLMENT IN MIL S 100.
1 HOUR

04602	LECT-DISC	A	9	TU	173	ARMORY	STAFF
04603	LECT-DISC	B	3	TU	173	ARMORY	
04604	LECT-DISC	C	2	TH	173	ARMORY	
04605	LECT-DISC	D	3	TH	173	ARMORY	

MIL S 212 ADVANCED MILITARY OPERATIONS.
PREREQUISITE--MIL S 202 AND CONCURRENT ENROLLMENT IN MIL S 100.
3 HOURS

04606	LECT-DISC	A	8	M W F	173	ARMORY	STAFF
04607	LECT-DISC	B	10	TU	173	ARMORY	
		B	9-11	TH	173	ARMORY	
04608	LECT-DISC	C	1-3	TU	173	ARMORY	
		C	1	TH	173	ARMORY	

MIL S 214 ADVANCED ARTILLERY OPERATIONS.
PREREQUISITE--MIL S 266 AND CONCURRENT ENROLLMENT IN MIL S 100.
3 HOURS

04609	LECT-DISC		ARR				STAFF

MINING ENGINEERING

DEPARTMENT OFFICE 201 M M B

COURSES FOR UNDERGRADUATES

MIN E 195 INTRODUCTION TO MINING ENGINEERING.
NO CREDIT

04610	LECT-DISC		11	TU	305	M M B	WRIGHT

COURSES FOR ADVANCED UNDERGRADUATES

MIN E 242 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 OR 2 HOURS

04611	CONF		ARR				STAFF

MIN E 272 MINERAL PROCESSING, I.
PREREQUISITE--T.A.M. 232, CREDIT OR REGISTRATION IN GEOL. 130.
3 HOURS

04612	LECT		8	TU TH	305	M M B	STREET
04612	LAB		9-12	TH	MIN LAB		STREET

MIN E 299 THESIS.
PREREQUISITE--APPROVAL OF HEAD OF DEPARTMENT.
1 TO 3 HOURS
04613 CONF & ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MIN E 303 MATERIALS HANDLING--FLUIDS.
PREREQUISITE--T.A.M. 232 AND 234 AND M.E. 209 OR CHEM. 344.
3 HOURS, OR 3/4 OR 1 UNIT
04614 LECT-DISC 1 TU TH 305 M M B STAFF
04614 LAB 2-5 TU MIN LAB

MIN E 353 SAMPLING, EXPLORATION, VALUATION.
PREREQUISITE--GEOL. 101, 130, MATH. 263.
*THOSE RECEIVING FOUR HOURS OR ONE UNIT ARE REQUIRED TO DO EXTRA WORK AND WRITE A TERM PAPER.
*3 OR 4 HOURS, OR 3/4 OR 1 UNIT
04615 LECT-DISC 10 M W F 305 M M B WRIGHT

COURSES FOR GRADUATES

MIN E 401 ADVANCED MINERAL DRESSING AND COAL PREPARATION.
1 UNIT
04616 LECT-DISC ARR STREET

MIN E 402 MINE VALUATION, TAXATION, AND MINERAL ECONOMICS.
1 UNIT
04617 LECT-DISC ARR WRIGHT

MIN E 405 ADVANCED MINE VENTILATION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
04618 LECT-DISC ARR STAFF

MIN E 406 DESIGN OF UNDERGROUND OPENINGS.
PREREQUISITE--MIN. E. 356.
1 UNIT
04619 LECT-DISC ARR WRIGHT

MIN E 497 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS, SUMMER -- 1 UNIT
04620 CONF ARR STAFF

MIN E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
04621 CONF ARR STAFF

MUSIC

DEPARTMENT OFFICE 100 S M H

COURSES FOR UNDERGRADUATES

MUSIC 100 RUDIMENTS OF THEORY.
2 HOURS
04622 LECT-DISC A 9 M W F 104 1203 W NEV PAINTER
04623 LECT-DISC B 1 M W F 104 1203 W NEV KLEINSTEUBER

MUSIC 101 THEORY OF MUSIC, I.
PREREQUISITE--FOR NON-MUSIC STUDENTS--MUSIC 100 OR EQUIVALENT.
3 HOURS
•STUDENTS REGISTERING IN SECTION A OR C MUST CHOOSE A HALF-HOUR LABORATORY SESSION TO MEET AT 8, 8.30, 9, 9.30, 1, 1.30, 2 OR 2.30 DAILY, ROOM 306 STIVEN HOUSE.

04629	LECT-DISC	•A	8	MTUWTHF	103	S M H		KADERAVEK
04624	LECT-DISC	B	8	MTUWTHF	106	S M H		
04630	LECT-DISC	•C	9	MTUWTHF	103	S M H		FARRELL
04625	LECT-DISC	D	9	MTUWTHF	106	S M H		
04626	LECT-DISC	E	1	MTUWTHF	8	S A		B JOHNSTON
04627	LECT-DISC	F	2	MTUWTHF	106	S M H		GABURO
04628	LECT-DISC	G	3	MTUWTHF	106	S M H		KELLY

MUSIC 102 THEORY OF MUSIC, II.
PREREQUISITE--MUSIC 101.
3 HOURS

04631	LECT-DISC	A	3	M W F	103	S M H		KLEINSTEUBER

MUSIC 103 THEORY OF MUSIC, III.
PREREQUISITE--MUSIC 102.
3 HOURS

04632	LECT-DISC	A	8	M W F	8	S A		
04633	LECT-DISC	B	9	M W F	8	S A		KADERAVEK
04634	LECT-DISC	C	9	M W F	102	S H		HUNTER
04635	LECT-DISC	D	1	M W F	106	S M H		FREDRICKSON
04636	LECT-DISC	E	2	M W F	8	S A		A THOMAS
04637	LECT-DISC	F	3	M W F	8	S A		MARTIRANO

MUSIC 104 THEORY OF MUSIC, IV.
PREREQUISITE--MUSIC 103.
3 HOURS

04638	LECT-DISC	A	3	M W F	116	1203 W NEV		

MUSIC 106 COMPOSITION.
PREREQUISITE--QUALIFYING EXAMINATION IN COMPOSITION, TO BE ADMINISTERED BY THE THEORY-COMPOSITION FACULTY.
2 HOURS, SUMMER--2, 3, OR 4 HOURS

04639	CONF	A	ARR		201	T A		BINKERD
04640	CONF	B	ARR		203	T A		FREDRICKSON
04641	CONF	C	ARR		305	S H		B JOHNSTON
04642	CONF	D	ARR		200	T A		KELLY
04643	CONF	E	ARR		200	T A		MARTIRANO
04644	CONF	F	ARR		108	S M H		KESSLER
04645	CONF	G	ARR		206	T A		GABURO

MUSIC 107 EAR TRAINING, SIGHT SINGING, AND KEYBOARD HARMONY, I.
PREREQUISITE--MUSIC 101.
1 HOUR

04646	LAB-DISC	A	3	TU TH	103	S M H		KLEINSTEUBER

MUSIC 108 EAR TRAINING, SIGHT SINGING, AND KEYBOARD HARMONY, II.
PREREQUISITE--MUSIC 107.
1 HOUR

04647	LAB-DISC	A	8	TU TH	8	S A		
04648	LAB-DISC	B	9	TU TH	8	S A		KADERAVEK
04649	LAB-DISC	C	9	TU TH	102	S H		HUNTER
04650	LAB-DISC	D	1	TU TH	106	S M H		FREDRICKSON
04651	LAB-DISC	E	2	TU TH	8	S A		BINKERD
04652	LAB-DISC	F	3	TU TH	8	S A		MARTIRANO

MUSIC 109 EAR TRAINING, SIGHT SINGING AND KEYBOARD HARMONY, III.
PREREQUISITE--MUSIC 108.
1 HOUR

04653	LAB-DISC	A	3	TU TH	116	1203 W NEV		

MUSIC 110 BASIC MUSIC LITERATURE.
REQUIRED OF FRESHMEN IN MUSIC.
2 HOURS

04654	LECT		10	M W	25	S M H		HANSELL
04655	QUIZ	A	3	TU TH	100	S H		
04656	QUIZ	B	7	M W	103	S M H		
04657	QUIZ	C	3	M W	306	S M H		

MUSIC 113 APPRECIATION OF MUSIC, SYMPHONIC.
FOR NON-MUSIC STUDENTS.
PREREQUISITE--SOPHOMORE STANDING.
2 HOURS

04658	LECT		1	TU TH	25	S M H		
04659	QUIZ	A	7PM	M W	104	1203 W NEV		
04660	QUIZ	B	7PM	TU TH	104	1203 W NEV		

MUSIC 115 INTRODUCTION TO OPERA.
PREREQUISITE--SOPHOMORE STANDING.
2 HOURS

04661	LECT-DISC	A	2	M W	25	S M H		ZIRNER

MUSIC 130 INTRODUCTION TO THE ART OF MUSIC, I.
FOR NON-MUSIC STUDENTS ONLY.
3 HOURS

04662	LECT		2	TU TH	25	S M H		HANSELL
[illegible]	QUIZ	A	4	M W	104	1203 W NEV		
04664	QUIZ	B	7PM	TU TH	116	1203 W NEV		
04665	QUIZ	C	11	M W	104	1203 W NEV		
[illegible]	QUIZ	D	4	TU TH	104	1203 W NEV		

MUSIC 140 RECREATIONAL MUSIC.
REQUIRED FOR STUDENTS MAJORING IN RECREATION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS

04667	LECT-DISC	A	10-12	TU TH	116	1203 W NEV		

MUSIC 142 ELEMENTS OF CONDUCTING.
PREREQUISITE--SOPHOMORE STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
2 HOURS

04668	LECT-DISC	A	9	M W F	25	S M H		DUKER
04669	LECT-DISC	B	10	M W F	103	S M H		PAINTER

COURSES FOR ADVANCED UNDERGRADUATES

MUSIC 200 INSTRUMENTATION, I.
PREREQUISITE--SENIOR STANDING IN MUSIC.
2 HOURS

04670	LECT-DISC	A	10	TU TH	103	S M H		PAINTER
04671	LECT-DISC	B	2	TU TH	103	S M H		CARTER

MUSIC 207 KEYBOARD HARMONY, I.
PREREQUISITE--MUSIC 104.
2 HOURS

04672	LAB-DISC	A	10	TU TH	1	S H		KLEINSTEUBER

MUSIC 213 THE HISTORY OF MUSIC, I.
REQUIRED OF ALL MUSIC STUDENTS.
PREREQUISITE--MUSIC 110 OR CONSENT OF INSTRUCTOR.
3 HOURS

04673	LECT		1	M W F	25	S M H		MACDONALD
04674	QUIZ	A	7PM	M W	106	S M H		
04675	QUIZ	B	7PM	TU TH	106	S M H		
04676	QUIZ	C	4	M W	106	S M H		
04677	QUIZ	D	4	TU TH	102	S H		

MUSIC [illegible] THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

04678	CONF	A	ARR					RINGER, BINKERD

MUSIC 230 CHORAL LITERATURE AND CONDUCTING, I.
PREREQUISITE--MUSIC 142.
2 HOURS

04679	LAB-DISC	A	10	M W F	104	1203 W NEV		DECKER
		A	11	M F	25	S M H		
04680	LAB-DISC	B	10	M W F	8	S A		
		B	11	M F	25	S M H		

MUSIC 232 INSTRUMENTAL LITERATURE AND CONDUCTING, I.
PREREQUISITE--MUSIC 142.
2 HOURS

04681	LAB-DISC	A	3	M W F	167	BAND			DUKER

MUSIC 240 MUSIC FOR ELEMENTARY TEACHERS, I.
PREREQUISITE--JUNIOR STANDING IN ELEMENTARY EDUCATION OR CONSENT OF INSTRUCTOR. REQUIRED FOR STATE ELEMENTARY SCHOOL CERTIFICATE BUT NO CREDIT GRANTED IN SCHOOL OF MUSIC.
3 HOURS

04682	LECT		9	S	25	S M H			BERGETHON
04683	QUIZ	A	11	TU TH	102	S H			
04684	QUIZ	B	12	M W	100	S H			
04685	QUIZ	C	3	M W	1	S H			
04686	QUIZ	D	3	M W	100	S H			
04687	QUIZ	E	3	W F	102	S H			

MUSIC 241 MUSIC FOR ELEMENTARY TEACHERS, II.
PREREQUISITE--MUSIC 240. REQUIRED FOR STATE ELEMENTARY SCHOOL CERTIFICATE BUT NO CREDIT GRANTED IN SCHOOL OF MUSIC.
3 HOURS
STUDENTS WILL REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

04688	LECT		10	S	25	S M H			BERGETHON
04689	QUIZ	A	8	W F	102	S H			
04690	QUIZ	B	12	M W	102	S H			
04691	QUIZ	C	4	W F	100	S H			
04692	QUIZ	D	4	W F	102	S H			

MUSIC 242 TEACHING MUSIC IN THE ELEMENTARY SCHOOL.
PREREQUISITE--JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
3 HOURS

04693	LECT-DISC	A	2	MTUWTH	104	1203 W NEV			V WILSON

MUSIC 243 TEACHING MUSIC IN THE JUNIOR HIGH SCHOOL.
PREREQUISITE--JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
3 HOURS

04694	LECT-DISC	A	2	M W F	306	S M H			PANEPINTO

MUSIC 244 TEACHING OF INSTRUMENTAL MUSIC.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

04695	LAB-DISC	A	2	MTUWTH	5	S M H			COLWELL
		A	4	M	5	S M H			

MUSIC 245 CHORAL ARRANGING.
PREREQUISITE--JUNIOR STANDING IN MUSIC.
2 HOURS

04696	LECT-DISC	A	1	TU TH	104	1203 W NEV			

MUSIC 246 TEACHING OF CHORAL MUSIC.
PREREQUISITE--JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
2 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

04697	LECT-DISC	A	3	MTUWTH	25	S M H			KIRK
		A	11	M F	25	S M H			

MUSIC 248 BASIC MUSICIANSHIP FOR PRE-SCHOOL TEACHERS, I.
PREREQUISITE--JUNIOR STANDING--CHILD DEVELOPMENT MAJOR.
3 HOURS

04698	LAB-DISC	A	3	TU TH	102	S H			R SMITH
		A	4	TU TH	1	S H			

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 300 EIGHTEENTH CENTURY COUNTERPOINT.
PREREQUISITE--MUSIC 104 AND/OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04699	LECT-DISC	A	1	M W F	102	S H			MARTIRANO
04700	LECT-DISC	B	2	M W F	206	T A			GABURO
04701	LECT-DISC	C	2	M W F	103	S M H			FREDRICKSON

MUSIC 304 ANALYTICAL TECHNIQUES, I.
PREREQUISITE--MUSIC 104 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04702	LECT-DISC	A	2	TU TH	102	S H		A THOMAS

MUSIC 306 COMPOSITION.
PREREQUISITE--MUSIC 104 OR 106 OR CONSENT OF INSTRUCTOR.
2 TO 4 HOURS, OR 1/2 OR 1 UNIT

04703	CONF	A	ARR		201	T A		BINKERD
04704	CONF	B	ARR		203	T A		FREDRICKSON
04705	LECT-DISC	C	3	TU TH	305	S H		B JOHNSTON
04706	CONF	D	ARR		200	T A		KELLY
04707	CONF	E	ARR		200	T A		MARTIRANO
04708	CONF	F	ARR		108	S M H		KESSLER
04709	CONF	G	ARR		206	T A		GABURO

MUSIC 309 MUSICAL ACOUSTICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04710	LAB-DISC	A	2	TU TH	301	S H		HILLER

MUSIC 310 ANCIENT AND MEDIEVAL MUSIC.
PREREQUISITE--MUSIC 131 OR 214 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04711	LECT-DISC	A	10	M W F	201	H A		MACDONALD

MUSIC 312 MUSIC OF THE BAROQUE AND CLASSICAL PERIODS.
PREREQUISITE--MUSIC 131 OR 214 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04712	LECT-DISC	A	7	M W F	201	H A		HANSELL

MUSIC 316 MUSICAL CULTURES OF THE WORLD, I.
PREREQUISITE--JUNIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04713	LECT-DISC	A	1	M W F	101	H A		

MUSIC 318 HISTORY OF PERFORMANCE PRACTICES, I.
PREREQUISITE--SENIOR STANDING IN MUSIC THEORY AND MUSIC HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04714	LECT-DISC	A	1	TU TH	103	S M H		HUNTER

MUSIC 330 APPLIED MUSIC PEDAGOGY.
PREREQUISITE--JUNIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE 4 HOURS, OR 1 UNIT
•2 HOURS, OR 1/2 UNIT
•SECTION-A-IS FOR PIANO MAJORS. SECTION-B-IS FOR STRING MAJORS.
SECTION-C-IS FOR VOICE MAJORS.

04715	LAB-DISC	A	3-5	W	200A	S M H		LYKE
04716	LAB-DISC	B	4-6	TH	202	S A		ROLLAND
04717	LAB-DISC	C	ARR		210	S H		MILLER, G WILSON

MUSIC 332 CHURCH MUSIC LITERATURE.
PREREQUISITE--MUSIC 214 OR 311 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

04718	LECT-DISC	A	7-9PM	M	[illegible]	S M H		HAMILTON

MUSIC 340 INSTRUMENTAL CLINIC AND BAND PAGEANTRY.
PREREQUISITE--ADVANCED UNDERGRADUATE OR GRADUATE WITH MAJOR WORK OR EXPERIENCE IN BAND OR ORCHESTRA.
2 HOURS, OR 1/2 UNIT

04719	LECT-DISC	A	9-11	M	228	BAND		KISINGER
		A	9	W	228	BAND		

MUSIC 349 MUSIC IN EARLY CHILDHOOD.
PREREQUISITE--SENIOR OR GRADUATE LEVEL IN MUSIC EDUCATION OR CHILD DEVELOPMENT.
2 HOURS, OR 1/2 UNIT

04720	LAB-DISC	A	7-9PM	TH	102	S H		R SMITH

MUSIC 400 ADVANCED INSTRUMENTATION-CHAMBER AND SYMPHONIC.
PREREQUISITE--UNDERGRADUATE INSTRUMENTATION.
1/2 OR 1 UNIT

04721	LECT-DISC	A	1	TU TH	200	T A		KELLY

MUSIC 402 ANALYSIS IN RELATION TO PERFORMANCE AND INTERPRETATION, I.
PREREQUISITE--MUSIC 104 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

04722	LECT-DISC	A	1-3	TU TH	116	1203 W NEV		LEONHARD

MUSIC 406 COMPOSITION.
1/2 TO 1 1/2 UNITS

04723	CONF	A	ARR		201	T A		BINKERD
04724	CONF	B	ARR		203	T A		FREDRICKSON
04725	CONF	C	ARR		305	S H		B JOHNSTON
04726	CONF	D	ARR		200	T A		KELLY
04727	CONF	E	ARR		200	T A		MARTIRANO
04728	CONF	F	ARR		108	S M H		KESSLER
04729	CONF	G	ARR		206	T A		GABURO

MUSIC 414 NOTATION, I.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT

04730	LECT-DISC	A	2-4	F	101	H A		GOLDTHWAITE

MUSIC 423 SEMINAR IN MUSICOLOGY.
PREREQUISITE--GRADUATE STANDING IN MUSICOLOGY OR CONSENT OF INSTRUCTOR.
1 UNIT

04731	LECT-DISC	A	2-5	TU	101	H A		RINGER

MUSIC 431 ADVANCED BAND CONDUCTING AND LITERATURE.
PREREQUISITE--BACHELORS DEGREE WITH MAJOR WORK OR EXPERIENCE IN BAND AND/OR ORCHESTRA, CONSENT OF INSTRUCTOR.
1 UNIT

04732	LECT-DISC	A	2-4	W F	265	BAND		HINDSLEY

MUSIC 432 ADVANCED CHORAL TECHNIQUES.
PREREQUISITE--GRADUATE STANDING IN MUSIC.
1 UNIT

04733	LECT-DISC	A	1-3	W F	116	1203 W NEV		KIRK
		A	11	M F	25	S M H		

MUSIC 434 PIANO LITERATURE.
PREREQUISITE--BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EDUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04734	LECT-DISC	A	2-4	M F	108	S M H		KESSLER

MUSIC 435 VOCAL LITERATURE.
PREREQUISITE--BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EDUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04735	LECT-DISC	A	1-3	W F	215	S M H		KELLOGG

MUSIC 436 ORGAN LITERATURE.
PREREQUISITE--BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EDUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04736	LECT-DISC	A	ARR		200	S M H		PETTINGA

MUSIC 437 STRING INSTRUMENT LITERATURE.
PREREQUISITE--BACHLOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04737	LECT-DISC	A	2-4	TU TH	102	S A		FARRELL

MUSIC 438 WIND INSTRUMENT LITERATURE.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT
*SECTION A--WOODWIND AND SECTION B--BRASS.

04738	LECT-DISC	A	9-11	TU TH	2	S M H		EDLEFSEN
04739	LECT-DISC	B	9-11	TU TH	228	BAND		KISINGER

MUSIC 439 PERCUSSION INSTRUMENT LITERATURE.
PREREQUISITE--GRADUATE STANDING IN THE SCHOOL OF MUSIC AND CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04740	LECT-DISC	A	ARR		6	S M H		MCKENZIE

MUSIC 440 FOUNDATIONS AND PRINCIPLES OF MUSIC EDUCATION, I.
PREREQUISITE--GRADUATE STANDING IN MUSIC EDUCATION, CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

04741	LECT-DISC	A	1-3	M	116	1203 W NEV		LEONHARD

MUSIC 443 ADMINISTRATION AND SUPERVISION OF MUSIC EDUCATION.
PREREQUISITE--GRADUATE STANDING IN MUSIC OR MUSIC EDUCATION.
1/2 OR 1 UNIT

04742	LECT-DISC	A	9-11	W	116	1203 W NEV		BERGETHON

MUSIC 446 SEMINAR AND LABORATORY IN MUSICAL ACOUSTICS, I.
PREREQUISITE--GRADUATE STANDING IN MUSIC OR MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

04743	LAB-DISC	A	3	M W F	301	S H		HILLER

MUSIC 450 HISTORY OF VOCAL ENSEMBLE AND CHORAL MUSIC, I.
1 UNIT

04744	LECT-DISC	A	9-11	M W	101	H A		RINGER

APPLIED MUSIC

NOTE--STUDENTS IN MUSIC CURRICULA RECEIVE THREE OR FOUR HOURS FOR THEIR MAJOR OR PRINCIPAL SUBJECT.

AS A PART OF THE REQUIREMENTS FOR THE BACHELOR OF MUSIC DEGREE, SENIOR STUDENTS MUST PRESENT A PUBLIC RECITAL WHICH MEETS WITH SCHOOL OF MUSIC FACULTY APPROVAL AND CONFORMS WITH DEPARTMENTAL REQUIREMENTS.

MUSIC STUDENTS RECEIVE TWO HOURS CREDIT FOR THEIR MINOR OR SECONDARY SUBJECT.

STUDENTS FROM OTHER COLLEGES RECEIVE TWO HOURS CREDIT FOR WORK IN APPLIED MUSIC IF IN ACCORDANCE WITH THE REGULATIONS OF THEIR COLLEGE PASSING OF A PERFORMING EXAMINATION IS REQUIRED AS A PREREQUISITE TO THE INITIAL REGISTRATION IN ANY APPLIED MUSIC COURSE.

APPLIED MUSIC COURSES FOR UNDERGRADUATES

MUSIC 180 PIANO.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04745	CONF	A	ARR		209	S M H		KARP
04746	CONF	B	ARR		204	S M H		RICHARDS
04747	CONF	C	ARR		112	S M H		FLETCHER
04748	CONF	D	ARR		206	S M H		STRAVINSKY
04749	CONF	E	ARR		201	S M H		SANDERS
04750	CONF	F	ARR		205	S M H		BILSON
04751	CONF	G	ARR					
04752	CONF	H	ARR					
04753	CONF	I	ARR					

MUSIC 181 VOICE.
2 OR 3 HOURS, SUMMER--1 OR 2 HOURS

04754	CONF	A	ARR	203	S	M	H	BAILEY
04755	CONF	B	ARR	210	S	M	H	BOWEN
04756	CONF	C	ARR	202	S	M	H	CLARK
04757	CONF	D	ARR	211	S	M	H	FOOTE
04758	CONF	E	ARR	215	S	M	H	KELLOGG
[illegible]	CONF	F	ARR	201	S	H		MILLER
04760	CONF	G	ARR					
04761	CONF	H	ARR	207	S	M	H	REYNOLDS
04762	CONF	I	ARR	210	S	H		G WILSON
[illegible]	CONF	J	ARR					
04764	CONF	K	ARR					
04765	CONF	L	ARR					

MUSIC 182 ORGAN.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS.

04766	CONF	A	ARR	200	S	M	H	PETTINGA
04767	CONF	B	ARR	200	S	M	H	HAMILTON
04768	CONF	C	ARR					

MUSIC 183 VIOLIN.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04769	CONF	A	ARR	202	S	A		ROLLAND
04770	CONF	B	ARR	208	S	A		SCHMITT
04771	CONF	C	ARR					

MUSIC 184 VIOLA.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04772	CONF	A	ARR	203	S	A		GARVEY

MUSIC 185 CELLO.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04773	CONF	A	ARR	201	S	A		SWENSON
04774	CONF	B	ARR	105	S	A		FARRELL

MUSIC 186 STRING BASS.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04775	CONF	A	ARR	9	S	M	H	KROLICK

MUSIC 187 FLUTE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04776	CONF	A	ARR	10	S	M	H	DELANEY
04777	CONF	B	ARR					

MUSIC 188 CLARINET.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04778	CONF	A	ARR	11	S	M	H	MCDOWELL
04779	CONF	B	ARR	12	S	M	H	COGGINS
04780	CONF	C	ARR					

MUSIC 189 OBOE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04781	CONF	A	ARR	2	S	M	H	EDLEFSEN

MUSIC 190 BASSOON.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04782	CONF	A	ARR	203	S	H		BERRY

MUSIC 191 CORNET AND TRUMPET.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04783	CONF	A	ARR	14	S	M	H	SEXTON
04784	CONF	B	ARR					

MUSIC 192 FRENCH HORN.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04785	CONF	A	ARR	4	S	M	H	HOLDEN

MUSIC 193 TROMBONE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04786	CONF	A	ARR	8	S	M	H	GRAY
04787	CONF	B	ARR					

MUSIC 194 BARITONE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04788	CONF	A	ARR	8	S	M	H	GRAY
04789	CONF	B	ARR					

MUSIC 195 TUBA.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04790	CONF	A	ARR	8	S	M	H	GRAY
04791	CONF	B	ARR					

MUSIC 196 PERCUSSION.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04792	CONF	A	ARR	6	S	M	H	MCKENZIE
04793	CONF	B	ARR					

MUSIC 197 HARP.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04794	CONF	A	ARR	113	S	M	H	KLEINSTEUBER

MUSIC 198 ALTO SAXOPHONE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04795	CONF	A	ARR	12	S	M	H	COGGINS

MUSIC 199 HARPSICHORD.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04796	CONF	A	ARR	101	S	M	H	HUNTER

APPLIED MUSIC COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PREREQUISITE--FOR STUDENTS IN THE BACHELOR OF MUSIC CURRICULUM, JUNIOR STANDING IN THE MAJOR APPLIED MUSIC SUBJECT. FOR STUDENTS IN MUSIC EDUCATION, COMPLETION OF THE CURRICULAR REQUIREMENT IN THE MAJOR APPLIED MUSIC SUBJECT. FOR STUDENTS IN OTHER COLLEGES OF THE UNIVERSITY, COMPLETION OF FOUR SEMESTERS IN THE COMPARABLE APPLIED MUSIC COURSE AT THE 100 LEVEL. QUALIFYING EXAM FOR TRANSFER STUDENTS.

MUSIC 380 PIANO.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04797	CONF	A	ARR	209	S	M	H	KARP
04798	CONF	B	ARR	204	S	M	H	RICHARDS
04799	CONF	C	ARR	112	S	M	H	FLETCHER
04800	CONF	D	ARR	206	S	M	H	STRAVINSKY
04801	CONF	E	ARR	201	S	M	H	SANDERS
04802	CONF	F	ARR	205	S	M	H	BILSON

MUSIC 381 VOICE.
2 OR 3 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04803	CONF	A	ARR	203	S	M	H	BAILEY
04804	CONF	B	ARR	210	S	M	H	BOWEN
04805	CONF	C	ARR	202	S	M	H	CLARK
04806	CONF	D	ARR	211	S	M	H	FOOTE
04807	CONF	E	ARR	215	S	M	H	KELLOGG
04808	CONF	F	ARR	201	S	H		MILLER
04809	CONF	G	ARR					
04810	CONF	H	ARR	207	S	M	H	REYNOLDS
04811	CONF	I	ARR	210	S	H		G WILSON
04812	CONF	J	ARR					

MUSIC 382 ORGAN.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04813	CONF	A	ARR	200	S	M	H	PETTINGA
04814	CONF	B	ARR	200	S	M	H	HAMILTON

MUSIC 383 VIOLIN.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04815	CONF	A	ARR	202	S A		ROLLAND
04816	CONF	B	ARR	208	S A		SCHMITT

MUSIC 384 VIOLA.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04817	CONF	A	ARR	203	S A		GARVEY

MUSIC 385 CELLO.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04818	CONF	A	ARR	201	S A		SWENSON
04819	CONF	B	ARR	105	S A		FARRELL

MUSIC 386 STRING BASS.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04820	CONF	A	ARR	9	S M H		KROLICK

MUSIC 387 FLUTE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04821	CONF	A	ARR	10	S M H		DELANEY

MUSIC 388 CLARINET.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04823	CONF	A	ARR	11	S M H		MCDOWELL
04822	CONF	B	ARR	12	S M H		COGGINS

MUSIC 389 OBOE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04824	CONF	A	ARR	2	S M H		EDLEFSEN

MUSIC 390 BASSOON.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04825	CONF	A	ARR	203	S H		BERRY

MUSIC 391 CORNET AND TRUMPET.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04826	CONF	A	ARR	14	S M H		SEXTON

MUSIC 392 FRENCH HORN.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04827	CONF	A	ARR	4	S M H		HOLDEN

MUSIC 393 TROMBONE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04828	CONF	A	ARR	8	S M H		GRAY

MUSIC 394 BARITONE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04829	CONF	A	ARR	8	S M H		GRAY

MUSIC 395 TUBA.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04830	CONF	A	ARR	8	S M H		GRAY

MUSIC 396 PERCUSSION.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04831	CONF	A	ARR	6	S M H		MCKENZIE

MUSIC 397 HARP.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04832	CONF	A	ARR	113	S M H		KLEINSTEUBER

MUSIC 398 SAXOPHONE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04833	CONF	A	ARR	12	S M H		COGGINS

MUSIC 399 HARPSICHORD.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04834	CONF	A	ARR	101	S M H		HUNTER

[illegible] MUSIC COURSES FOR GRADUATES

MUSIC 480 PIANO.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04835	CONF	A	ARR	204	S M H		RICHARDS AND PIANO FACULTY

MUSIC 481 VOICE.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04836	CONF	A	ARR	211	S M H		FOOTE AND VOICE FACULTY

MUSIC 482 ORGAN.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04837	CONF	A	ARR	200	S M H		PETTINGA
04838	CONF	B	ARR	200	S M H		HAMILTON

MUSIC 483 STRING INSTRUMENTS.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF QUALIFYING EXAMINATION GIVEN BY GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04839	CONF	A	ARR	202	S A		ROLLAND AND STRING FACULTY

MUSIC 484 WIND INSTRUMENTS.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF QUALIFYING EXAMINATION GIVEN BY GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04840	CONF	A	ARR	11	S M H		MCDOWELL AND WIND INSTRUMENT FACULTY

MUSIC 485 PERCUSSION INSTRUMENTS.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04841	CONF	A	ARR	6	S M H		MCKENZIE

MUSIC 489 DOCTORAL PROJECTS.
OPEN ONLY TO STUDENTS IN THE DOCTOR OF MUSICAL ARTS PROGRAM.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 TO 3 UNITS

04842	CONF	A	ARR	210	1203	W NEV	GOLDTHWAITE AND GRADUATE FACULTY

MUSIC 499 THESIS RESEARCH.
PREREQUISITE--CONSENT OF ADVISOR.
0 TO 4 UNITS, SUMMER--0 TO 2 UNITS

04843	CONF	A	ARR	210	1203	W NEV	GOLDTHWAITE, V WILSON AND GRADUATE FACULTY

SUPPLEMENTARY INSTRUMENTS

NOTE--THESE COURSES ARE OPEN AS ELECTIVES TO STUDENTS FROM OTHER COLLEGES. IN COURSES INVOLVING TWO INSTRUMENTS, TWO DAYS A WEEK ARE SPENT ON EACH INSTRUMENT FOR THE ENTIRE SEMESTER. PREREQUISITE FOR ALL NON-MUSIC STUDENTS--CONSENT OF INSTRUCTOR.

COURSES FOR UNDERGRADUATES

MUSIC 170 STRING INSTRUMENTS.
PREREQUISITE--JUNIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
2 HOURS
•SECTION A IS FOR BEGINNERS. SECTION B IS FOR ADVANCED STUDENTS.

04844	LAB-DISC	A	9	MTUWTHF	5	S M H		KROLICK, WALLER
04845	LAB-DISC	B	10	MTUWTHF	5	S M H		KROLICK, WALLER

MUSIC 171 CLARINET.
2 HOURS

04846	LAB-DISC	A	8	MTUWTHF	5	S M H		
04847	LAB-DISC	B	10	MTUWTHF	12	S M H		COGGINS

MUSIC 172 CORNET OR TRUMPET.
2 HOURS

04849	LAB-DISC	A	8	MTUWTHF	25	S M H		
04848	LAB-DISC	B	9	MTUWTHF	4	S M H		HOLDEN

MUSIC 173 FLUTE AND SAXOPHONE.
PREREQUISITE--MUSIC 171.
2 HOURS

04850	LAB-DISC	A	9	MTUWTHF	10	S M H		COGGINS, DELANEY

MUSIC 174 FRENCH HORN AND PERCUSSION.
PREREQUISITE--MUSIC 172.
2 HOURS

04851	LAB-DISC	A	10	MTUWTHF	4	S M H		HOLDEN, MCKENZIE

MUSIC 175 TROMBONE, BARITONE, AND TUBA.
PREREQUISITE--MUSIC 172.
2 HOURS

04852	LAB-DISC	A	10	MTUWTHF	8	S M H		

MUSIC 176 OBOE AND BASSOON.
PREREQUISITE--MUSIC 171.
2 HOURS

04853	LAB-DISC	A	8	MTUWTHF	2	S M H		BERRY, ENLEFSEN

MUSIC 177 CLASS PIANO INSTRUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS
•FOR NON-MUSIC STUDENTS ONLY
SECTIONS A-G--FIRST SEMESTER
SECTION H--SECOND SEMESTER
SECTIONS I-O--THIRD SEMESTER
SECTIONS P-R--FOURTH SEMESTER

04862	LAB-DISC	•A	8	M W	1	S H		RUPPEL
04864	LAB-DISC	B	8	TU TH	1	S H		RUPPEL
04863	LAB-DISC	•C	11	M W	1	S H		HENDERSON
04865	LAB-DISC	D	9	TU TH	1	S H		LYKE
04866	LAB-DISC	E	10	M W	1	S H		HENDERSON
04867	LAB-DISC	F	1	M W	1	S H		LYKE
04868	LAB-DISC	G	2	M W	1	S H		HENDERSON
04854	LAB-DISC	H	2	TU TH	200A	S M H		LYKE
04855	LAB-DISC	I	10	TU TH	200A	S M H		RUPPEL

MUSIC177 CONTINUED

04856	LAB-DISC	J	10	M W	200A	S M H	RUPPEL
04857	LAB-DISC	K	9	M W	200A	S M H	RUPPEL
04858	LAB-DISC	L	1	M W	200A	S M H	HENDERSON
04859	LAB-DISC	M	12	TU TH	1	S H	HENDERSON
04860	LAB-DISC	N	1	TU TH	1	S H	HENDERSON
04861	LAB-DISC	O	9	M W	1	S H	LYKE
04869	LAB-DISC	P	3	TU TH	1	S H	HENDERSON
04870	LAB-DISC	Q	9	TU TH	200A	S M H	RUPPEL
04871	LAB-DISC	R	1	TU TH	200A	S M H	LYKE

MUSIC 178 CLASS INSTRUCTION IN VOICE.
FOR MUSIC AND MUSIC EDUCATION STUDENTS ONLY.
2 HOURS

04872	LAB-DISC	A	9	TU TH	203	S M H	BAILEY
04873	LAB-DISC	B	10	M W	106	S M H	CLARK
04874	LAB-DISC	C	2	TU TH	202	S M H	CLARK
04875	LAB-DISC	D	2	M W	100	S H	

ENSEMBLE COURSES

NOTE--ALL ENSEMBLE COURSES REQUIRE CONSENT OF INSTRUCTOR.

COURSES FOR ADVANCED UNDERGRADUATES

MUSIC 250 UNIVERSITY ORCHESTRA.
1/2 HOUR

04876	PRACT	A	730PM	M		RECITAL HALL	GOODMAN
		A	4	W	F	RECITAL HALL	

MUSIC 252 WIND ENSEMBLE.
1/2 HOUR

04877	PRACT	A	11-1230	W	F	RECITAL HALL	GRAY

MUSIC 253 COLLEGIUM MUSICUM.
1/2 HOUR

04878	PRACT	A	ARR		101	S M H	HUNTER

MUSIC 254 STRING ENSEMBLE.
1/2 HOUR

04879	PRACT	A	11	MTUW F	102	S A	GARVEY AND STAFF

MUSIC 255 WOODWIND ENSEMBLE.
1/2 HOUR
*DAYS TO BE ARRANGED.

04880	PRACT	A	*11		12	S M H	MCDOWELL AND WOODWIND FACULTY

MUSIC 256 BRASS ENSEMBLE.
1/2 HOUR
*DAYS TO BE ARRANGED.

04881	PRACT	A	*11		14	S M H	GRAY, HOLDEN, SEXTON

MUSIC 257 PERCUSSION ENSEMBLE.
1/2 HOUR

04882	PRACT	A	11	MTUW F	6	S M H	MCKENZIE

MUSIC 258 PIANO ENSEMBLE.
1/2 HOUR

04883	PRACT	A	4-6	M	112	S M H	FLETCHER

MUSIC 259 ORGAN KEYBOARD TECHNIQUES.
1 HOUR

04884	PRACT	A	11	MTUW F	200	S M H	PETTINGA

MUSIC 260 ORATORIO SOCIETY.
1/2 HOUR
NOTE--OPEN TO STUDENTS, FACULTY AND TOWNSPEOPLE.

04885	PRACT	A	8-945PM	TH	25	S M H	DECKER

MUSIC 261 UNIVERSITY CHORUS.
NOTE--OPEN TO STUDENTS, FACULTY AND TOWNSPEOPLE.
1/2 HOUR

04886	PRACT	A	630-8PM	TU TH	306	S M H	

MUSIC 262 WOMENS GLEE CLUB.
NOTE--OPEN TO ALL WOMEN STUDENTS.
1/2 HOUR

04887	PRACT	A	4-530	TU TH	25	S M H	E THOMAS

MUSIC 263 MENS GLEE CLUB.
1/2 HOUR

04888	PRACT	A	630-8PM	TU TH	25	S M H	DECKER

MUSIC 264 UNIVERSITY CHOIR.
1/2 HOUR

04889	PRACT	A	4-515	M W F	25	S M H	DECKER

MUSIC 265 OPERA WORKSHOP AND ENSEMBLE.
1/2 HOUR

04890	PRACT	A	3-5	TU TH	5	S M H	ZIRNER AND STAFF

MUSIC 267 HARP ENSEMBLE.
PREREQUISITE--MUSIC 197 AND/OR 397.
1/2 HOUR

04891	PRACT	A	ARR		113	S M H	KLEINSTEUBER

MUSIC 268 SMALL CHORAL ENSEMBLES.
1/2 HOUR

04892	PRACT	A	12	TU F	25	S M H	H CARTER
04893	PRACT	B	12	TU F	5	S M H	E THOMAS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 350 ADVANCED ENSEMBLE MUSIC.
PREREQUISITE--REGISTRATION IN APPLIED MUSIC AT THE 300 LEVEL AND CONSENT OF INSTRUCTOR.
2 HOURS OR 1/2 UNIT, SUMMER--1 HOUR OR 1/4 UNIT
*SECTION A IS FOR INSTRUMENTAL, SECTION B FOR OPERATIC, SECTION C FOR COLLEGIUM.

04894	LAB-DISC	*A	ARR		203	S A	GARVEY
04895	LAB-DISC	*B	3-5	W	100A	S H	ZIRNER
04896	LAB-DISC	*C	ARR		101	S M H	HUNTER

VOCAL DICTION COURSES

COURSES FOR UNDERGRADUATES

MUSIC 166 ENGLISH DICTION.
PREREQUISITE--FRESHMAN STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04897	CONF	A	ARR		203	S M H	BAILEY
04898	CONF	B	ARR		210	S M H	BOWEN

MUSIC166 CONTINUED

04899	CONF	C	ARR		202	S M H	CLARK
04900	CONF	D	ARR		211	S M H	FOOTE
04901	CONF	E	ARR		215	S M H	KELLOGG
04902	CONF	F	ARR		201	S H	MILLER
04903	CONF	G	ARR				
04904	CONF	H	ARR		207	S M H	REYNOLDS
04905	CONF	I	ARR		210	S H	G WILSON
04906	CONF	J	ARR				
04907	CONF	K	ARR				
04908	CONF	L	ARR				

PREREQUISITE--FRESHMAN STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04909	LAB-DISC	A	10	M W	100	S H	BOWEN
04910	LAB-DISC	B	2	TU TH	1000	02H	BOWEN
04910	LAB-DISC	B	2	TU TH	100	S H	BOWEN

MUSIC 168 GERMAN DICTION.
PREREQUISITE--SOPHOMORE STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04911	LAB-DISC	A	2	TU TH	215	S M H	KELLOGG

MUSIC 169 FRENCH DICTION.
PREREQUISITE--SOPHOMORE STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04912	LAB-DISC	A	10	TU TH	100	S H	CLARK

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 366 VOCAL REPERTOIRE, I.
PREREQUISITE--JUNIOR STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 381.
1 HOUR

04913	LAB-DISC	A	1	TU TH	102	S H	KELLOGG, G WILSON

MUSIC LITERATURE COURSES

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 320 PROSEMINAR.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN MUSIC OR MUSIC EDUCATION, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 8 HOURS OR 2 UNITS.
*2 OR 4 HOURS, OR 1/2 OR 1 UNIT

04914	LECT-DISC	A	2-5	W	101	H A	HAMM
04915	CONF	B	ARR				GOLDTHWAITE AND GRADUATE FACULTY

MUSIC 322 INTRODUCTION TO MUSICOLOGY.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 6 HOURS, OR 1 UNIT.
*3 HOURS, OR 1/2 UNIT

04916	LECT-DISC	A	1	TU TH	101	H A	HAMM

MUSIC 323 OPERA PRODUCTION, I.
PREREQUISITE--MUSIC 265, 381, AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04917	CONF	A	ARR		100A	S H	ZIRNER

COURSES FOR GRADUATES

MUSIC 420 SEMINAR IN MUSIC LITERATURE.
PREREQUISITE--CONSENT OF INSTRUCTOR. REQUIRED OF ALL STUDENTS ENROLLED IN THE DOCTORAL MUSICAL ARTS PROGRAM.
•STUDENTS MAY ACCUMULATE TWO UNITS.
•1 UNIT

04918	LECT-DISC	A	4-6	TH	101	H A	[illegible]

MUSIC 421 SEMINAR IN MUSIC EDUCATION.
REQUIRED OF ALL CANDIDATES FOR THE DOCTOR OF EDUCATION DEGREE IN MUSIC EDUCATION.
PREREQUISITE--GRADUATE STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
1 UNIT

04919	LECT-DISC	A	9-11	TH	[illegible]	[illegible]	[illegible]

MUSIC 422 SEMINAR IN THEORY OF MUSIC.
PREREQUISITE--GRADUATE STANDING IN MUSIC THEORY OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

04920	LECT-DISC	A	10	TU TH	106	S M H	[illegible]

MUSIC 426 BEETHOVEN, I.
1/2 OR 1 UNIT

04921	LECT-DISC	A	9	W F	108	S M H	KESSLER

MUSIC 428 PROBLEMS AND METHODS.
REQUIRED OF ALL STUDENTS IN THE MASTER OF MUSIC PROGRAM EXCEPT THOSE MAJORING IN MUSICOLOGY.
1 UNIT

04922	LECT-DISC	A	9-12	TU	101	H A	STEWART
04923	LECT-DISC	B	9-12	TH	101	H A	STEWART

NAVAL SCIENCE

DEPARTMENT OFFICE 235 ARMORY

ATTENDANCE AT PARADES AND CEREMONIES IS REQUIRED.

ALL UNITS BATTALION PARADE 3-5 TH DEC 17

COURSES FOR UNDERGRADUATES

N S 100 NAVAL SCIENCE LABORATORY.
REQUIRED OF ALL NROTC STUDENTS.
NO CREDIT

04924	LAB	A	3-5	TH	101	ARMORY	STAFF
		A	3-5	TH	ARMORY FLOOR		
04925	LAB	B	3-5	TH	172	ARMORY	STAFF
		B	3-5	TH	ARMORY FLOOR		
04926	LAB	C	3-5	TH	173	ARMORY	STAFF
		C	3-5	TH	ARMORY FLOOR		
04927	LAB	D	3-5	TH	250	ARMORY	STAFF
		D	3-5	TH	ARMORY FLOOR		
04928	LAB	E	3-5	TH	253	ARMORY	STAFF
		E	3-5	TH	337	ARMORY	STAFF
		E	3-5	TH	ARMORY FLOOR		
04929	LAB	F	3-5	TH	349	ARMORY	STAFF
		F	3-5	TH	ARMORY FLOOR		STAFF

N S 111 SEA POWER.
PREREQUISITE--APPROVAL OF PROFESSOR OF NAVAL SCIENCE.
3 HOURS

04932	LECT	A	8	M	W	F	337	ARMORY	STAFF
04933	LECT	B	9	M	W	F	337	ARMORY	STAFF
04934	LECT	C	10	M	W	F	337	ARMORY	STAFF

N S 121 NAVAL WEAPONS.
PREREQUISITE--REGISTRATION IN N.S. 100.
3 HOURS

04935	LECT	A	1	M	W	F	250	ARMORY	IDE
04936	LECT	B	2	M	W	F	250	ARMORY	IDE
04937	LECT	C	3	M	W	F	250	ARMORY	IDE

COURSES FOR ADVANCED UNDERGRADUATES

N S 231 NAVAL ENGINEERING.
PREREQUISITE--SENIOR STANDING IN NAVAL OFFICER TRAINING PROGRAM.
REGISTRATION IN N.S. 100.
3 HOURS

04938	LECT	A	9	M	W	F	250	ARMORY	STAFF
04939	LECT	B	10	M	W	F	250	ARMORY	STAFF

N S 232 NAVIGATION.
PREREQUISITE--JUNIOR STANDING IN NAVAL OFFICER TRAINING PROGRAM OR
APPROVAL OF PROFESSOR OF NAVAL SCIENCE. REGISTRATION IN N.S. 100.
3 HOURS

04940	LECT	A	8-930	TU TH	250	ARMORY	STAFF
04941	LECT	B	10-1130	TU TH	250	ARMORY	STAFF

N S 291 HISTORY OF THE ART OF WAR.
PREREQUISITE--JUNIOR STANDING IN NROTC, REGISTRATION IN N. S. 100.
3 HOURS

NOTE--JUNIOR NROTC MARINE OPTION STUDENTS REGISTER IN HIST. 291--
A HISTORY OF LAND WARFARE

N S 293 HISTORY OF AMPHIBIOUS WARFARE.
PREREQUISITE--SENIOR STANDING IN NROTC, REGISTRATION IN N. S. 100.
3 HOURS

04943	LECT	A	11	M	W	F	250	ARMORY	DONABEDIAN

NUCLEAR ENGINEERING

DEPARTMENT OFFICE 264 M E B

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NUC E 347 INTRODUCTION TO NUCLEAR ENGINEERING.
PREREQUISITE--PHYCS. 282 OR PHYCS. 382 AND SENIOR STANDING IN
ENGINEERING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04944	LECT-DISC		9	M	W	F	203	MET LAB	MILEY

NUC E 349 FUNDAMENTALS OF RADIATION PROTECTION.
SAME AS C. E. 349.
PREREQUISITE--NUC. E. 397 OR PHYCS. 382 OR EQUIVALENT.
3 HOURS OR 3/4 OR 1 UNIT

04945	LECT-DISC		3	M	W	F	203	MET LAB	CHILTON

NUC E 397 RADIOCHEMISTRY.
SAME AS CHEM. 397.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF
INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

04946	LECT-DISC		10	TU TH S	161	N L	HUMMEL

NUC E 398 RADIOCHEMISTRY LABORATORY.
SAME AS CHEM. 398.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

04947	DISC		ARR					
04948	LAB	A	1-4	M	20	N L		HUMMEL
04949	LAB	B	1-4	TU	20	N L		HUMMEL
04950	LAB	C	1-4	TH	20	N L		HUMMEL

COURSES FOR GRADUATES

NUC E 401 FUNDAMENTALS OF NUCLEAR ENGINEERING.
PREREQUISITE--PHYCS. 282 OR PHYCS. 382 AND MATH. 345 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
1 UNIT

04951	LECT-DISC		8	MTU THF	203	MET LAB		BORESI, JONES

NUC E 421 NUCLEAR CONCEPTS.
PREREQUISITE--PHYCS. 282 OR 382, AND CONSENT OF INSTRUCTOR.
1 UNIT

04952	LECT-DISC		10-12	TU TH	203	MET LAB		WYMAN

NUC E 431 NUCLEAR METALLURGY.
PREREQUISITE--B.S. DEGREE IN ENGINEERING OR CONSENT OF INSTRUCTOR.
1 UNIT

04953	LECT-DISC		10	M W F	203	MET LAB		BOHL
04954	LAB	A	2-5	W	129	M E L		BOHL
04955	LAB	B	2-5	TH	129	M E L		BOHL

NUC E 451 REACTOR LABORATORY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

04956	LAB		ARR			NUC REACTOR LAB		HANG

NUC E 454 NUCLEAR ENGINEERING LABORATORY INVESTIGATIONS.
PREREQUISITE--PHYCS. 282 OR 382 AND CONSENT OF INSTRUCTOR.
1/2 TO 1 1/2 UNITS

04957	CONF		ARR					STAFF

NUC E 456 REACTOR PHYSICS, II.
SAME AS PHYCS. 456.
PREREQUISITE--NUC. E. 455 OR CONSENT OF INSTRUCTOR.
1 UNIT

04958	LECT-DISC		2	M W F	203	MET LAB		ADLER

NUC E 490 SPECIAL TOPICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
A--DIRECT CONVERSION

04959	LECT-DISC		11	M F	203	MET LAB		MILEY
04959	LAB		3-5	W	223	M E L		MILEY

NUC E 495 NUCLEAR ENGINEERING PROBLEMS.
PREREQUISITE--AT LEAST THREE UNITS OF GRADUATE WORK AND CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS

04960	CONF		ARR					STAFF

NUC E 497 SEMINAR IN NUCLEAR SCIENCE AND ENGINEERING.
0 OR 1/4 UNIT

04961	LECT-DISC		4	TU	203	MET LAB		STAFF

NUC E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

04962	CONF		ARR					STAFF

OCCUPATIONAL THERAPY

DEPARTMENT OFFICE 294 L H

COURSES FOR UNDERGRADUATES

T 100 OCCUPATIONAL THERAPY ORIENTATION.
PREREQUISITE--REGISTRATION IN THE OCCUPATIONAL THERAPY CURRICULUM.
2 HOURS
04963 DISC ARR

PETROLEUM ENGINEERING

DEPARTMENT OFFICE 201 M M B

COURSES FOR ADVANCED UNDERGRADUATES

PET E 241 PETROLEUM PRODUCTION SPECIAL PROBLEM.
1 HOUR
04964 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PET E 365 PHASE BEHAVIOR OF HYDROCARBONS.
PREREQUISITE--CHEM. 245, 246, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
04965 LECT-DISC ARR STAFF

PET E 371 PETROLEUM PRODUCTION ENGINEERING.
PREREQUISITE--SENIOR STANDING IN MINING ENGINEERING, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 3/4 UNIT
04966 LECT-DISC ARR STAFF

PHILOSOPHY

DEPARTMENT OFFICE 181 L H

MAJOR--TWENTY HOURS FROM ANY COURSES OFFERED BY THE DEPARTMENT, INCLUDING PHIL. 102, 303, 306, 321, AND ONE ADDITIONAL 300 COURSE IN PHILOSOPHY.

MINORS--TWENTY HOURS SELECTED FROM THE COURSES OF ANY ONE OR TWO DEPARTMENTS OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES EXCLUDING RHET. 101, 102, AND FIRST-YEAR MODERN LANGUAGE COURSES, OR FROM ANY APPROVED L A S INTERDEPARTMENTAL CURRICULUM, OR FROM ECONOMICS, EDUCATION, HOME ECONOMICS, LAW, OR LIBRARY SCIENCE. IF TWO DEPARTMENTS OR CURRICULA ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH, AND THE COURSES MUST BE APPROVED BY THE DEPARTMENT OF PHILOSOPHY.

COURSES FOR UNDERGRADUATES

FRESHMAN JAMES SCHOLARS ARE AUTOMATICALLY PERMITTED TO TAKE ANY 100 LEVEL PHILOSOPHY COURSE.

PHIL 101 INTRODUCTION TO PHILOSOPHY.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
3 HOURS

04967	LECT-DISC	A1	8	M W F	186	L H		
04968	LECT-DISC	A2	8	M W F	396	L H		
04969	LECT-DISC	B1	9	M W F	396	L H		
04970	LECT-DISC	B2	9	M W F	430	ARMORY		
04971	LECT-DISC	C	10	M W F	162	L H		
04972	LECT-DISC	D	11	M W F	396	L H		
04973	LECT-DISC	E1	1	M W F	186	L H		
04974	LECT-DISC	E2	1	M W F	162	L H		
04975	LECT-DISC	F	2	M W F	392	L H		
04976	LECT-DISC	G	3	M W F	186	L H		
04977	LECT-DISC	L	9	TU TH S	184	L H		
04978	LECT-DISC	M	10	TU TH S	184	L H		
04979	LECT-DISC	Y	10-1130	TU TH	162	L H		
04980	LECT-DISC	Z	2-330	TU TH	186	L H		

PHIL 102 LOGIC.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
3 HOURS

04981	LECT-DISC	A1	8	M W F	162	L H		
04982	LECT-DISC	A2	8	M W F	164	L H		
04983	LECT-DISC	B1	9	M W F	162	L H		
04984	LECT-DISC	C1	10	M W F	184	L H		
04985	LECT-DISC	C2	10	M W F	186	L H		
04986	LECT-DISC	D	11	M W F	162	L H		
04987	LECT-DISC	E	1	M W F	184	L H		
04988	LECT-DISC	F	2	M W F	162	L H		
04989	LECT-DISC	G	3	M W F	162	L H		
04990	LECT-DISC	L	9	TU TH S	186	L H		
04991	LECT-DISC	M	10	TU TH S	186	L H		

PHIL 103 ETHICS AND SOCIAL POLICY.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
•CREDIT IS NOT GIVEN FOR BOTH PHIL. 103 AND 105.
•4 HOURS

04992	LECT-DISC		2	MTUWTH	113	D K H	CHANDLER

PHIL 105 MORAL IDEAS AND PRACTICE.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
•CREDIT IS NOT GIVEN FOR BOTH PHIL. 105 AND 103.
•2 HOURS

04993	LECT-DISC	A	8	TU TH	184	L H	
04994	LECT-DISC	B	9	TU TH	396	L H	
04995	LECT-DISC	C	10	TU TH	232	L H	
04996	LECT-DISC	D1	11	TU TH	259	E B	
04997	LECT-DISC	D2	11	TU TH	223	E B	
04998	LECT-DISC	F	2	TU TH	396	L H	

PHIL 110 WORLD RELIGIONS.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
3 HOURS

04999	LECT		11	TU TH	112	G H	WAINWRIGHT
05000	DISC	A1	1	TU	184	L H	
05001	DISC	A2	1	TU	162	L H	
05002	DISC	B1	1	TH	184	L H	
05003	DISC	B2	1	TH	162	L H	
05004	DISC	C1	2	TU	184	L H	
05005	DISC	D1	2	TH	184	L H	
05006	DISC	E1	3	TU	184	L H	
05007	DISC	F1	3	TH	184	L H	
05008	DISC	G1	2	F	374	L H	
05009	DISC	H1	3	F	374	L H	

COURSES FOR ADVANCED UNDERGRADUATES

PHIL 201 READING COURSE.
PREREQUISITE--JUNIOR OR SENIOR WITH A GENERAL GRADE-POINT AVERAGE OF 4.0 OR WITH CONSENT OF CHAIRMAN OF DEPARTMENT.
2 TO 4 HOURS

05010	CONF	&	ARR					

PHIL 202 THESIS.
PREREQUISITE--SENIOR WITH A GENERAL GRADE-POINT AVERAGE OF 4.0 OR WITH CONSENT OF CHAIRMAN OF DEPARTMENT.
2 TO 4 HOURS

05011	CONF	&	ARR					

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOPHOMORE JAMES SCHOLARS WHO HAVE HAD NO PHILOSOPHY COURSES ARE PERMITTED TO TAKE PHIL. 303, 306, 307, AND 308. THOSE WHO HAVE HAD A PHILOSOPHY COURSE MAY TAKE ANY 300-LEVEL PHILOSOPHY COURSE.

PHIL 303 HISTORY OF GREEK AND ROMAN PHILOSOPHY.
4 HOURS, OR 1 UNIT
*DISC. &K IS FOR GRADUATE STUDENTS, PHILOSOPHY MAJORS, AND JAMES SCHOLARS.

05012	LECT		10	TU TH	213	G H		FISCH
05013	DISC	A	11	TU	186	L H		
05014	DISC	B	11	TH	186	L H		
05015	DISC	C	1	TU	186	L H		
05016	DISC	D	1	TH	186	L H		
05017	DISC	E	2	TU	308	L H		
05018	DISC	F	2	TH	308	L H		
05019	DISC	*&K	5	TU	184	L H		

PHIL 309 THE PHILOSOPHY OF PLATO.
PREREQUISITE--PHIL. 101 OR 303.
3 HOURS, OR 3/4 OR 1 UNIT

05020	LECT-DISC		1	M W F	308	L H		SWARTZ

PHIL 311 PHILOSOPHIC IDEAS OF THE NINETEENTH AND TWENTIETH CENTURIES.
3 HOURS, OR 3/4 OR 1 UNIT

05021	LECT-DISC		10-1130	TU TH	396	L H		

PHIL 317 GREAT BOOKS IN MODERN THOUGHT.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

05022	LECT-DISC	B	9	M W F	186	L H		WALLACE
05023	LECT-DISC	C	10	M W F	362	L H		

PHIL 319 PHILOSOPHICAL IDEAS IN LATIN AMERICA.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
2 HOURS, OR 1/2 OR 1 UNIT

05024	LECT-DISC		9	TU TH	171	L H		KURITZ

PHIL 321 ETHICS AND VALUE THEORY.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

05025	LECT-DISC		10	M W F	396	L H		

PHIL 323 PHILOSOPHY OF ART.
3 HOURS, OR 3/4 OR 1 UNIT

05026	LECT-DISC		1	M W F	196	L H		GOTSHALK

PHIL 326 METAPHYSICS.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

05027	LECT-DISC		3	M W F	396	L H		AGASSI

PHIL 328 PHILOSOPHY OF SCIENCE.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
05028 LECT-DISC 9 M W F 311 G H TURQUETTE

PHIL 330 THEORY OF KNOWLEDGE.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
05029 LECT-DISC 2 M W F 396 L H

PHIL 331 ANALYTIC PHILOSOPHY.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
05030 LECT-DISC 9 M W F 184 L H

PHIL 333 SYMBOLIC LOGIC, I.
3 HOURS, OR 3/4 OR 1 UNIT
05031 LECT-DISC 11 M W F 223 G H TURQUETTE

PHIL 336 PHILOSOPHY OF LAW AND OF THE STATE.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
05032 LECT-DISC 2-330 TU TH 162 L H

PHIL 337 SEMANTICS.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
05033 LECT-DISC 11 M W F 186 L H LINSKY

PHIL 338 PHILOSOPHIES OF LANGUAGE
AS LING. 338.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT.
05034 LECT-DISC 3 M W F 184 L H GOLDBERG

PHIL 341 EXISTENTIALISM.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
05035 LECT-DISC 2 M W F 186 L H WAINWRIGHT

COURSES FOR GRADUATES

PHIL 401 SEMINAR IN ANCIENT PHILOSOPHY.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
05036 LECT-DISC 4-6 TH 308 L H

PHIL 405 SEVENTEENTH CENTURY CONTINENTAL THOUGHT-DESCARTES, SPINOZA,
LEIBNIZ.
1 UNIT
05037 LECT-DISC 4-6 M 308 L H

PHIL 407 BRITISH EMPIRICISM.
1 UNIT
05038 LECT-DISC 4-6 M 394 L H

PHIL 408 GERMAN IDEALISM, KANT.
1 UNIT
05039 LECT-DISC 4-6 TU 308 L H GOTSHALK

PHIL 411 SEMINAR IN RECENT ETHICAL THEORY.
*STUDENTS MAY ACCUMULATE 2 UNITS.
*1 UNIT, SUMMER--1/2 UNIT
05040 LECT-DISC 730-930PM TH 308 L H

PHIL 412 SEMINAR IN SOCIAL PHILOSOPHY.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
05041 LECT-DISC 730-930PM M 308 L H

PHIL 415 SEMINAR IN METAPHYSICS.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
05042 LECT-DISC 2-4 W 308 L H

PHIL 420 SEMINAR IN SEMANTICS
SAME AS LING. AND COMM. 420.
PREREQUISITE--GRADUATE STANDING IN PHILOSOPHY OR EQUIVALENT.
1 UNIT
05043 LECT-DISC 730-930PM TU 308 L H

PHIL 421 SEMINAR IN CONTEMPORARY PROBLEMS.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
TOPIC--PROBLEMS IN SCIENTIFIC METHOD
05044 LECT-DISC 730-930PM W 308 L H AGASSI

PHIL 423 SEMINAR IN THEORY OF KNOWLEDGE.
1 UNIT
05045 LECT-DISC 4-6 W 308 L H

PHIL 483 INDIVIDUAL TOPICS.
1/2 OR 1 UNIT, SUMMER--1/2 TO 2 UNITS
05046 CONF & ARR

PHIL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
05047 CONF & ARR

PHYSICAL EDUCATION FOR MEN

MEN ENTERING THE UNIVERSITY WITH LESS THAN SIXTY SEMESTER HOURS OF CREDIT--EXCEPT VETERANS WHO RECEIVE CREDIT BECAUSE OF MILITARY SERVICE, BUT WHO MAY ELECT TO TAKE PHYSICAL EDUCATION--ARE REQUIRED TO OBTAIN CREDIT FOR FOUR SEMESTERS OF PHYSICAL EDUCATION, INCLUDING THE AMOUNT TRANSFERRED. ONE OF THE COURSES MUST BE PEM 100, WHICH WILL BE TAKEN IN THE FRESHMAN YEAR. CREDIT MAY BE OBTAINED BY PASSING COURSES LISTED BELOW OR BY PASSING PROFICIENCY EXAMINATION WHICH ARE OFFERED AT TIMES SPECIFIED BY THE DEPARTMENT. PERMITS FOR TAKING PROFICIENCY EXAMINATIONS MUST BE SECURED IN ROOM 201 MENS OLD GYMNASIUM NOT LATER THAN 48 HOURS PRECEDING EACH EXAMINATION. STUDENTS ARE NOT PERMITTED TO TAKE PROFICIENCY EXAMINATIONS IN COURSES IN WHICH THEY ARE CURRENTLY REGISTERED. STUDENTS ENROLLED IN PRESCRIBED EXERCISE ARE NOT PERMITTED TO TAKE PROFICIENCY EXAMINATIONS WITHOUT SPECIAL WRITTEN PERMISSION FROM THE COORDINATOR OF PRESCRIBED EXERCISE.

OFFICE FOR BASIC INSTRUCTION COURSES--201 MENS OLD GYMNASIUM.

OFFICE FOR PROFESSIONAL COURSES--121 HUFF GYMNASIUM.

E M 100 FOUNDATIONS OF PHYSICAL ACTIVITY.
1 HOUR
EACH STUDENT MUST REGISTER IN ONE LECTURE SECTION AND ONE LAB SECTION.

05048	LECT	2B	2	TU		114	D K H
05049	LECT	10B	10	TU		100	M M B
05050	LECT	8C	8		W	100	M M B
05051	LECT	2C	2		W	100	M M B
05052	LECT	3C	3		W	114	D K H
05053	LECT	4C	4		W	114	D K H
05054	LECT	10D	10		TH	100	M M B
05055	LECT	11D	11		TH	114	D K H
05056	LECT	1D	1		TH	114	D K H
05057	LAB	A1	8	M	F	310	MOG BALC
05058	LAB	A2	8	M	F	312W	MOG
05059	LAB	B1	9	M	F	310	MOG BALC
05060	LAB	B2	9	M	F	312W	MOG
05061	LAB	C1	10	M	F	310	MOG BALC
05062	LAB	C2	10	M	F	312W	MOG
05063	LAB	C3	10	M	F	100	H G
05064	LAB	C4	10	M	F	100	H G
05065	LAB	D1	11	M	F	310	MOG BALC
05066	LAB	D2	11	M	F	312W	MOG
05067	LAB	D3	11	M	F	100	H G
05068	LAB	D4	11	M	F	100	H G
05069	LAB	E1	12	M	F	310	MOG BALC
05070	LAB	E2	12	M	F	312W	MOG
05071	LAB	F1	1	M	F	310	MOG BALC
05072	LAB	F2	1	M	F	312W	MOG
05073	LAB	G1	2	M	F	310	MOG BALC
05074	LAB	G2	2	M	F	312W	MOG
05075	LAB	G3	2	M	F	100	H G
05076	LAB	G4	2	M	F	100	H G
05077	LAB	H1	3	M	F	310	MOG BALC
05078	LAB	H2	3	M	F	312W	MOG
05079	LAB	H3	3	M	F	100	H G
05080	LAB	H4	3	M	F	100	H G
05081	LAB	J1	4	M	F	310	MOG BALC
05082	LAB	J2	4	M	F	312W	MOG
05083	LAB	L1	8	TU TH		310	MOG BALC
05084	LAB	L2	8	TU TH		312W	MOG
05085	LAB	M1	9	TU TH		310	MOG BALC
05086	LAB	M2	9	TU TH		312W	MOG
05087	LAB	N1	10	TU TH		310	MOG BALC
05088	LAB	N2	10	TU TH		312W	MOG
05089	LAB	N3	10	TU TH		100	H G
05090	LAB	N4	10	TU TH		100	H G
05091	LAB	O1	11	TU TH		310	MOG BALC
05092	LAB	O2	11	TU TH		312W	MOG
05093	LAB	O3	11	TU TH		100	H G
05094	LAB	O4	11	TU TH		100	H G
05095	LAB	P1	12	TU TH		310	MOG BALC
05096	LAB	P2	12	TU TH		312W	MOG
05097	LAB	Q1	1	TU TH		310	MOG BALC
05098	LAB	Q2	1	TU TH		312W	MOG
05099	LAB	Q3	1	TU TH		100	H G
05100	LAB	Q4	1	TU TH		100	H G
05101	LAB	R1	2	TU TH		310	MOG BALC
05102	LAB	R2	2	TU TH		312W	MOG
05103	LAB	R3	2	TU TH		100	H G
05104	LAB	R4	2	TU TH		100	H G
05105	LAB	S1	3	TU TH		310	MOG BALC
05106	LAB	S2	3	TU TH		312W	MOG
05107	LAB	S3	3	TU TH		100	H G
05108	LAB	S4	3	TU TH		100	H G
05109	LAB	T1	4	TU TH		310	MOG BALC
05110	LAB	T2	4	TU TH		312W	MOG

E M 101 PRESCRIBED EXERCISE.
PREREQUISITE--ASSIGNMENT BY THE HEALTH SERVICE.
STUDENTS MAY ACCUMULATE 4 HOURS.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05111	LAB	A1	8	M W F		106	MOG ANNEX
05112	LAB	B1	9	M W F		106	MOG ANNEX
05113	LAB	C1	10	M W F		106	MOG ANNEX
05114	LAB	D1	11	M W F		106	MOG ANNEX

P C M101 CONTINUED

05115	LAB	F1	1	M W F	106	MOG ANNEX
05116	LAB	G1	2	M W F	106	MOG ANNEX
05118	LAB	•N1	10	TU TH	106	MOG ANNEX
05119	LAB	•R1	2	TU TH	106	MOG ANNEX
05120	LAB	•S1	3	TU TH	106	MOG ANNEX
05117	LAB	X	ARR		REHAB CENTER	

P E M 105 WEIGHT CONTROL.
PREREQUISITE--APPROVAL OF DEPARTMENT AT REGISTRATION.
1 HOUR

05121	LAB	H	3	M W F	312SE MOG	

P E M 107 BEGINNING SWIMMING.
PREREQUISITE--NON-SWIMMER.
1 HOUR
•THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05122	LAB	B	9	M W F	212	MOG POOL
05123	LAB	C	10	M W F	212	MOG POOL
05124	LAB	D	11	M W F	212	MOG POOL
05125	LAB	F	1	M W F	212	MOG POOL
05126	LAB	H	3	M W F	212	MOG POOL
05127	LAB	•M	9	TU TH	212	MOG POOL
05128	LAB	•O	11	TU TH	212	MOG POOL
05129	LAB	•S	3	TU TH	212	MOG POOL

P E M 108 INTERMEDIATE SWIMMING.
PREREQUISITE--INABILITY TO SWIM IN GOOD FORM 25 YARDS OR MORE.
1 HOUR
•THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05130	LAB	A	8	M W F	212	MOG POOL
05131	LAB	H1	3	M W F	112	H G POOL
05132	LAB	J	4	M W F	212	MOG POOL
05133	LAB	•L	8	TU TH	212	MOG POOL
05134	LAB	•M1	9	TU TH	112	HG POOL
05135	LAB	•N	10	TU TH	212	MOG POOL
05136	LAB	•O1	11	TU TH	112	HG POOL
05137	LAB	•Q	1	TU TH	212	MOG POOL
05138	LAB	•S1	3	TU TH	112	HG POOL

P E M 109 AQUATIC SPORTS.
PREREQUISITE--ABILITY TO SWIM 100 YARDS WITH EASE.
1 HOUR
•THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05139	LAB	A1	8	M W F	112	HG POOL
05140	LAB	•L1	8	TU TH	112	HG POOL
05141	LAB	•N1	10	TU TH	112	HG POOL

P E M 110 LIFE SAVING.
PREREQUISITE--ABILITY TO SWIM THREE STROKES 100 YARDS EACH.
1 HOUR

05142	LAB	C1	10	M W F	112	HG POOL
05143	LAB	D1	11	M W F	112	HG POOL
05144	LAB	F1	1	M W F	112	HG POOL

P E M 111 WATER SAFETY. A. R. C. INSTRUCTOR TRAINING.
PREREQUISITE--CURRENT RED CROSS LIFE SAVING CERTIFICATE.
1 HOUR
•SECTION Q MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05145	LAB	B	9	M W F	112	HG POOL
05146	LAB	•Q	1	TU TH	112	HG POOL

P E M 112 TUMBLING AND FREE EXERCISE.
1 HOUR

05147	LAB	B	9	M W F	312NE MOG	
05148	LAB	C	10	M W F	312NE MOG	
05149	LAB	D	11	M W F	312NE MOG	

P E M 114 APPARATUS STUNTS.

1 HOUR

•THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH A FREE PERIOD FOLLOWING THE COURSE HOUR.

05150	LAB	•N	10	TU TH	312SE MOG
05151	LAB	•Q	11	TU TH	312SE MOG
05152	LAB	•R	2	TU TH	312SEMOG

P E M 115 TRAMPOLINE AND DOUBLES TUMBLING.

1 HOUR

•SECTION M MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH A FREE PERIOD FOLLOWING THE COURSE HOUR.

05153	LAB	G	2	M W F	312NEMOG
05154	LAB	H	3	M W F	312NEMOG
05155	LAB	•M	9	TU TH	312NEMOG

P E M 116 BASIC MOVEMENT.

SAME AS P.E.W. 103.

PREREQUISITE--MUSIC MAJOR.

1 HOUR

05156	LAB	D	11	M W F	10 W GYM

P E M 118 WRESTLING.

1 HOUR

•SECTIONS N AND R MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05157	LAB	G	2	M W F	115	MOG ANNEX
05158	LAB	H	3	M W F	115	MOG ANNEX
05159	LAB	•N	10	TU TH	115	MOG ANNEX
05160	LAB	•R	2	TU TH	115	MOG ANNEX

P E M 119 FOIL FENCING.

1 HOUR

05161	LAB	A	8	M W F	302	H G
05162	LAB	B	9	M W F	302	H G
05163	LAB	C	10	M W F	302	H G
05164	LAB	D	11	M W F	302	H G

P E M 120 PERSONAL DEFENSE ACTIVITIES.

1 HOUR

•THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05165	LAB	C	10	M W F	115	MOG ANNEX
05166	LAB	D	11	M W F	115	MOG ANNEX
05167	LAB	F	1	M W F	115	MOG ANNEX
05168	LAB	•J	11	TU TH	115	MOG ANNEX
05169	LAB	•Q	1	TU TH	115	MOG ANNEX

P E M 123 WEIGHT TRAINING

1 HOUR

•THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05170	LAB	A	8	M W F	114	MOG ANNEX
05171	LAB	B	9	M W F	114	MOG ANNEX
05172	LAB	C	10	M W F	114	MOG ANNEX
05173	LAB	D	11	M W F	114	MOG ANNEX
05174	LAB	G	2	M W F	114	MOG ANNEX
05175	LAB	H	3	M W F	114	MOG ANNEX
05176	LAB	J	4	M W F	114	MOG ANNEX
05177	LAB	•L	8	TU TH	114	MOG ANNEX
05178	LAB	•M	9	TU TH	114	MOG ANNEX
05179	LAB	•N	10	TU TH	114	MOG ANNEX
[illegible]	[illegible]	[illegible]	[illegible]	TU TH	114	MOG ANNEX
[illegible]	[illegible]	[illegible]	[illegible]	[illegible] TH	114	MOG ANNEX
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

P E M 124 TRACK AND FIELD ATHLETICS.
1 HOUR
THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.

05183	LAB	FF	1-3	M W	EAST ILL FIELD
05184	LAB	HH	3-5	M W	EAST ILL FIELD
05185	LAB	QQ	1-3	TU TH	EAST ILL FIELD
05186	LAB	SS	3-5	TU TH	EAST ILL FIELD

NOTE--FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY MENS OLD GYM ANNEX.

P E M 127 SOFTBALL.
1 HOUR
CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.

05187	LAB	FF	1-3	M W	FLD B H G
05188	LAB	QQ	1-3	TU TH	FLD B H G

NOTE--FIRST CLASS MEETING WILL BE HELD ON FIELD AT SOUTHEAST CORNER HUFF GYM.

P E M 128 SOCCER.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05189	LAB	C	10	M W F	FLD A H G
05190	LAB	D	11	M W F	FLD A H G
05191	LAB	F	1	M W F	FLD A H G
05192	LAB	G	2	M W F	FLD A H G
05193	LAB	*N	10	TU TH	FLD A H G
05194	LAB	*O	11	TU TH	FLD A H G
05195	LAB	*Q	1	TU TH	FLD A H G

P E M 129 VOLLEYBALL.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05196	LAB	A	8	M W F	105E MOG ANNEX
05197	LAB	B	9	M W F	105E MOG ANNEX
05198	LAB	H	3	M W F	105E MOG ANNEX
05199	LAB	*L	8	TU TH	105E MOG ANNEX
05200	LAB	*M	9	TU TH	105E MOG ANNEX
05201	LAB	*N	10	TU TH	105E MOG ANNEX
05202	LAB	*O	11	TU TH	105E MOG ANNEX
05203	LAB	*Q	1	TU TH	105E MOG ANNEX
05204	LAB	*R	2	TU TH	105E MOG ANNEX
05205	LAB	*S	3	TU TH	105E MOG ANNEX

P E M 130 BASKETBALL.
PREREQUISITE--NO PLAYING EXPERIENCE IN ORGANIZED BASKETBALL.
1 HOUR

05206	LAB	C	10	M W F	105E MOG ANNEX
05207	LAB	D	11	M W F	105E MOG ANNEX
05208	LAB	F	1	M W F	105E MOG ANNEX
05209	LAB	G	2	M W F	105E MOG ANNEX

P E M 132 ARCHERY.
1 HOUR
THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.

05210	LAB	BB	9-11	M W	ARCHERY RANGE
05211	LAB	QQ	1-3	TU TH	ARCHERY RANGE

NOTE--FIRST CLASS MEETING IN EAST BALCONY, MENS OLD GYM ANNEX.

P E M 133 SQUASH RACQUETS.
1 HOUR

05212	LAB	H	3	M W F	84 H G

P E M 134 HANDBALL.

1 HOUR

•THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05213	LAB	A	8	M W F	84	H G
05214	LAB	B	9	M W F	84	H G
05215	LAB	C	10	M W F	84	H G
05216	LAB	D	11	M W F	84	H G
05217	LAB	•L	8	TU TH	84	H G
05218	LAB	•M	9	TU TH	84	H G
05219	LAB	•N	10	TU TH	84	H G
05220	LAB	•O	11	TU TH	84	H G

P E M 135 TENNIS.

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.

05221	LAB	AA	8-10	M W	GREGORY CTS
05222	LAB	BB	9-11	M W	H G CTS
05223	LAB	CC	10-12	M W	GREGORY CTS
05224	LAB	DD	11-1	M W	H G CTS
05225	LAB	EE	12-2	M W	GREGORY CTS
05226	LAB	GG	2-4	M W	H G CTS
05227	LAB	LL	8-10	TU TH	GREGORY CTS
05228	LAB	MM	9-11	TU TH	H G CTS
05229	LAB	NN	10-12	TU TH	GREGORY CTS
05230	LAB	OO	11-1	TU TH	H G CTS
05231	LAB	QQ	1-3	TU TH	GREGORY CTS
05232	LAB	RR	2-4	TU TH	H G CTS

NOTE--FIRST CLASS MEETING WILL BE HELD IN NORTH BALCONY HUFF GYM.

P E M 136 BADMINTON.

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE FIRST EIGHT WEEKS OF THE SEMESTER. THE COURSE HOUR.

05233	LAB	AA	8-10	M W	100	H G
05234	LAB	CC	10-12	M W	120N	ICE RINK
05235	LAB	FF	1-3	M W	120N	ICE RINK
05236	LAB	LL	8-10	TU TH	100	H G

P E M 137 BOWLING.

1 HOUR

THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

•SECTIONS D AND O ARE CO-EDUCATIONAL.

05244	LAB	•D	11	M W	40	IU ALLEYS
05237	LAB	L	8	TU TH	40	IU ALLEYS
05238	LAB	L1	8	TU TH	40	IU ALLEYS
05239	LAB	M	9	TU TH	40	IU ALLEYS
05240	LAB	M1	9	TU TH	40	IU ALLEYS
05241	LAB	N	10	TU TH	40	IU ALLEYS
05242	LAB	N1	10	TU TH	40	IU ALLEYS
[illegible]	LAB	•O	11	TU TH	40	IU ALLEYS
[illegible]	LAB	[illegible]	11	TU TH	40	IU ALLEYS

P E M 14[illegible] [illegible].

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE [illegible] OF THE SEMESTER.

05246	LAB	[illegible]	8-10	[illegible]	[illegible]	
05247	LAB	[illegible]	[illegible]	[illegible]	FLD	
05248	LAB	[illegible]	10-12	[illegible]	[illegible]	
05249	LAB	[illegible]	[illegible]	[illegible]	FLD C H G	
05250	LAB	[illegible]	[illegible]	TU TH	FLD C H G	
05251	LAB	MM	9-11	TU TH	FLD C H G	
05252	LAB	NN	10-12	TU TH	FLD C H G	
05253	LAB	OO	11-1	TU TH	FLD C H G	

NOTE--FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY, HUFF GYM.

P E M 14[illegible] [illegible] SMALL CHAPP COLLEGIATE.
PREREQUISITE--ABILITY TO SWIM REASONABLY WELL 25 YARDS.
[illegible]
[illegible] TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.

05254	LAB	[illegible]	4-5	M W		CRYSTAL LAKE
[illegible]	LAB	SG	3-5	TU TH		CRYSTAL LAKE

NOTE--FIRST CLASS MEETING WILL BE HELD IN NORTH BALCONY, MOG ANNEX.

P E M 142 BALLROOM DANCE.
SAME AS P.E.W. 142.
1 HOUR

05256	LAB	M	9	TU TH	302	H G
[illegible]	LAB	N	10	TU TH	302	H G
[illegible]	LAB	O	11	TU TH	302	H G

P E M 143 AMERICAN SQUARE DANCE.
SAME AS P.E.W. 143.
1 HOUR

05259	LAB	R	2	TU TH	302	H G

P E M 144 TECHNIQUES IN ANGLING.
SAME AS P.E.W. 144.
1 HOUR
THIS CLASS MEETS TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.
COURSE HOUR.

05260	LAB	QQ	1-3	TU TH	120N	ICE RINK

P E M 145 ICE SKATING AND SMALL AREA SPORTS.
SAME AS P.E.W. 145.
1 HOUR
THESE CLASSES MEET MONDAY THROUGH FRIDAY FOR THE SECOND EIGHT WEEKS OF THE SEMESTER. CLASSES BEGIN ON MONDAY, NOVEMBER 9.
•SECTIONS B, C, D, AND F ARE CO-EDUCATIONAL.

05261	LAB	A	8	MTUWTHF	120N	ICE RINK
05262	LAB	A1	8	MTUWTHF	120N	ICE RINK
05265	LAB	•B	9	MTUWTHF	120N	ICE RINK
05266	LAB	•C	10	MTUWTHF	120N	ICE RINK
05267	LAB	•D	11	MTUWTHF	120N	ICE RINK
05268	LAB	•F	1	MTUWTHF	120N	ICE RINK
05263	LAB	G	2	MTUWTHF	120N	ICE RINK
05264	LAB	G1	2	MTUWTHF	120N	ICE RINK

PROFESSIONAL COURSES FOR UNDERGRADUATES

P E M 150 PROFESSIONAL ORIENTATION.
2 HOURS

05269	LECT-DISC	N1	10	TU TH	207	H G
		N1	10	F	209	H G
05270	LECT-DISC	N2	10	TU THF	209	H G
05271	LECT-DISC	N3	10	TU TH	211	H G
		N3	10	F	209	H G

P E M 151 BEGINNING BASKETBALL.
2 HOURS
SECOND HALF OF SEMESTER.

05272	LAB-DISC	A1	8-10	MTUWTHF	100	H G	FLETCHER
05273	LAB-DISC	A2	8-10	MTUWTHF	100	H G	COMBES

P E M 152 BEGINNING FOOTBALL.
2 HOURS
FIRST HALF OF SEMESTER.
FIRST CLASS MEETING IN WEST BALCONY, HUFF GYMNASIUM.

05274	LAB-DISC	A1	8-10	MTUWTHF	FLD A	H G	ELIOT
05275	LAB-DISC	A2	8-10	MTUWTHF	FLD A	H G	INGWERSEN

P E M 153 FITNESS PROGRAMS.
PREREQUISITE--CONCURRENT REGISTRATION IN PEM 154.
2 HOURS
FIRST CLASS MEETING, BOTH SECTIONS, 302 HUFF GYM.

05276	LAB-DISC	F1	1	MTUWTHF	302	H G	KELLER
[illegible]	LAB-DISC	F2	1	MTUWTHF	312NE	MOG	POLLOCK

P E M 154 SWIMMING.
PREREQUISITE--CONCURRENT REGISTRATION IN P E M 153, EXCEPT FOR RECREATION MAJORS.
2 HOURS
*SECTION G2 IS FOR BEGINNERS. NON-SWIMMERS SHOULD SIGN UP FOR P.E.M. 107.
FIRST CLASS MEETING, BOTH SECTIONS, 112 B HUFF GYM POOL BALCONY.

05278	LAB-DISC	G1	2	MTUWTHF	112	H G POOL	PATERSON
05279	LAB-DISC	*G2	2	MTUWTHF	212	MOG POOL	KLINGEL

P E M 155 GYMNASTICS.
1 HOUR
SECOND HALF OF SEMESTER.

05280	LAB-DISC	A	8	MTUWTHF	312NE	MOG	POND

P E M 156 WRESTLING.
1 HOUR
SECOND HALF OF SEMESTER.

05281	LAB-DISC	B	9	MTUWTHF	115	MOG ANNEX	PATTERSON

P E M 157 TRACK AND FIELD.
1 HOUR
FIRST HALF OF SEMESTER.
FIRST CLASS MEETING WILL BE IN ROOM 202 MOG.

05282	LAB-DISC	B	8-10	TU TH	EAST	ILL FIELD	POWELL
		B	8-10	F	202	M O G	

P E M 158 BASEBALL.
1 HOUR
NOTE--FIRST CLASS MEETING WILL BE IN ROOM 202 MOG
FIRST HALF OF SEMESTER.

05283	LAB-DISC	A	8-10	M W	BASEBALL	DIAMOND	EILBRACHT
		A	8-10	F	202	M O G	

P E M 166 ELEMENTARY SCHOOL GAMES.
SAME AS P.E.W. 166.
3 HOURS

05284	LAB-DISC	C	10-12	M W	5	E B	
05285	LAB-DISC	N	9-11	TU TH	5	E B	

PROFESSIONAL COURSES FOR ADVANCED UNDERGRADUATES

P E M 204 ORGANIZATION OF PHYSICAL EDUCATION.
SAME AS P.E.W. 204.
3 HOURS
THIS COURSE WILL NOT MEET DURING THE SIX WEEKS STUDENT TEACHING PERIOD.

05286	LECT-DISC	F	1	M WTHF	207A	H G	POHNDORF
		F	1	TU	207	H G	
05287	LECT-DISC	G	2	M WTHF	207A	H G	KENNEY
		G	2	TU	207	H G	

P E M 205 TESTS AND MEASUREMENTS IN HEALTH, PHYSICAL EDUCATION AND RECREATION.
3 HOURS
*SIX ADDITIONAL LABORATORY SESSIONS 3-5 P.M. M. OR 7-9 P.M. TU.
THIS COURSE WILL NOT MEET DURING THE SIX WEEKS STUDENT TEACHING PERIOD.

05288	LECT-DISC	C	*10	MTUWTHF	300	H G	HUBBARD
05289	LECT-DISC	D	*11	MTUWTHF	300	H G	POHNDORF

P E M 206 KINESIOLOGY.
PREREQUISITE--PHYSL. 103 AND 234.
3 HOURS

05290	LAB-DISC	C	10	MTUWTHF	202	M O G	POWELL
05291	LAB-DISC	G	2	MTUWTHF	202	M O G	SHELTON

P E M 207 PREVENTION AND CARE OF ATHLETIC INJURIES.
PREREQUISITE--PHYSL. 103 AND PHYSL. 234.
2 HOURS

05292	LAB-DISC	Q	1	TU TH	209	H G	NICOLETTE

P E M 208 THEORY OF PRESCRIBING EXERCISE.
PREREQUISITE--PHYSL. 103 AND 234.
3 HOURS
•THREE ADDITIONAL HOURS TO BE ARRANGED.
05293 LAB-DISC O •11 TU TH 202 M O G SHELTON

P E M 209 HISTORY OF SPORT.
SAME AS P.E.W. 209.
3 HOURS
05294 LECT-DISC 11 M W F 207A H G MOORE

P E M 217 THEORY OF COACHING.
PREREQUISITE--P.E.M. 213 AND P.E.M. 214, OR CONSENT OF INSTRUCTOR.
2 HOURS
05295 LECT-DISC O 11 M W 209 H G MILLS

P E M 220 PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER.
SAME AS P.E.W. 220.
PREREQUISITE--JUNIOR STANDING, AND A NON-PHYSICAL EDUCATION STUDENT.
2 HOURS
•SECTIONS F1 AND G1 FOR GRADES K-2.
•SECTIONS F2 AND G2 FOR GRADES 3-6.
05296 LECT-DISC F1 1 M W F 11 E B
05298 LECT-DISC F2 1 M W F 218 E B
05297 LECT-DISC G1 2 M W F 11 E B
05299 LECT-DISC G2 2 M W F 218 E B

P E M 225 SUPERVISED EXPERIENCES IN PHYSICAL EDUCATION.
PREREQUISITE--JUNIOR STANDING.
NO CREDIT
THE FIRST MEETING OF THE COURSE WILL BE MONDAY, SEPTEMBER 21, 1964, 7 P.M., ROOM 202 MCG.
05300 LECT-DISC 7PM M 202 M O G POWELL

P E M 271 ORGANIZATION OF SPORTS PROGRAMS.
3 HOURS
05301 LECT-DISC C 10 M W 209 H G JACKSON
C 10 F 207 H G

PHYSICAL EDUCATION

DEPARTMENT OFFICE 121 HUFF GYM

COURSES FOR GRADUATES

P E 401 PROBLEMS IN PHYSICAL EDUCATION.
1 UNIT
05302 LECT-DISC O 1-3 TU 207A H G JACKSON

P E 408 PRINCIPLES OF KINESIOTHERAPY.
PREREQUISITE--ANATOMY, PHYSIOLOGY, KINESIOLOGY, AND PHYSIOLOGY OF EXERCISE, OR CONSENT OF INSTRUCTOR.
1 UNIT
•THREE ADDITIONAL HOURS IN EXERCISE THERAPY CLINIC 3-6 MWF AFTERNOON
05303 LECT-DISC M •9 TU TH 202 M O G SHELTON

P E 451 SCIENTIFIC FOUNDATIONS OF PHYSICAL FITNESS.
PREREQUISITE--UNDERGRADUATE ANATOMY AND PHYSIOLOGY, TESTS AND MEASUREMENTS.
1 UNIT
•TWO ADDITIONAL HOURS TO BE ARRANGED.
05304 LECT-DISC J •4-6 W 209 H G CURETON

P E 453 ANTHROPOMETRICAL AND BODY MECHANICS RESEARCH TECHNIQUES.
PREREQUISITE--P.E. 495 AND 451, COLLEGE ALGEBRA AND TRIGONOMETRY.
1 UNIT
•TWO ADDITIONAL HOURS TO BE ARRANGED.

05305	LECT-DISC	J	•4-6	M	209	H G	CURETON

P E 490 SEMINAR.
NO CREDIT

05306	LECT-DISC	ARR	STAFF

P E 493 SPECIAL PROJECTS.
PREREQUISITE--DOCTORAL CANDIDATE.
1/2 OR 1 UNIT

05307	CONF	ARR	STAFF

P E 495 TECHNIQUES OF RESEARCH IN HEALTH, PHYSICAL EDUCATION, AND RECREATION.
1 UNIT
•TWO ADDITIONAL HOURS TO BE ARRANGED.

05308	LECT-DISC	J1	•4-6	TH	209	H G	ZEIGLER
05309	LECT-DISC	J2	•4-6	TH	301	H G	HUMPHREY

P E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

05310	CONF	ARR	STAFF

PHYSICAL EDUCATION FOR WOMEN

DEPARTMENT OFFICE 117 W GYM

FRESHMEN AND SOPHOMORES--OF THE FOUR SEMESTERS REQUIRED IN PHYSICAL EDUCATION, THE DEPARTMENT RECOMMENDS ONE SEMESTER OF BASIC MOVEMENT-PEW 100, WHICH WILL BE TAKEN IN THE FRESHMAN YEAR AND ONE SEMESTER OF SWIMMING--P E W 110 OR 111, ONE SEMESTER OF A TEAM SPORT--P.E.W. 120, 121, 122, 123, 124, OR MODERN DANCE, P.E.W. 104, OR MODERN GYMNASTICS, P.E.W. 107, AND ONE SEMESTER OF AN ELECTIVE--P.E.W. 112, 113, 114, 115, 117, 130, 131, 132, 133, 135, 136, 140, 142, 143, 144, 145, OR OTHER COURSE NOT PREVIOUSLY TAKEN.

SERVICE COURSES FOR UNDERGRADUATES

P E W 100 BASIC MOVEMENT.
SAME AS P.E.M. 116.
1 HOUR
•SECTIONS A, A1, M, AND M1 MEET TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND ARE DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING CLASS.
•SECTIONS J, N, O, Q, Q1, R, R1, S, T, U, AND U1 MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.
•SECTION D SAME AS P.E.M. 116, FOR MUSIC MAJORS ONLY.

05325	LAB	•A	8	M W		218	E B
05326	LAB	•A1	8	M W		26	E B
05311	LAB	B-	9	M W	F	26	E B
05312	LAB	C	10	M W	F	218	E B
05313	LAB	C1	10	M W	F	26	E B
05327	LAB	•D	11	M W	F	10	W GYM
05314	LAB	D1	11	M W	F	218	E B
05315	LAB	D2	11	M W	F	26	E B
05316	LAB	E	12	M W	F	218	E B
05317	LAB	E1	12	M W	F	26	E B
05318	LAB	H	3	M W	F	218	E B
05319	LAB	H1	3	M W	F	26	E B
05320	LAB	I	4	M W	F	218	E B
05321	LAB	I1	4	M W	F	26	E B
05328	LAB	•J	5	M W	F	26	E B

P E W100 CONTINUED

05329	LAB	*M	8	TU TH	218	E B	
05330	LAB	*M1	8	TU TH	26	E B	
05331	LAB	*N	9	TU TH	26	E B	
05332	LAB	*O	10	TU TH	218	E B	
05322	LAB	O1	10	TU TH	26	E B	
05333	LAB	*Q	12	TU TH	218	E B	
05334	LAB	*Q1	12	TU TH	26	E B	
05335	LAB	*R	1	TU TH	218	E B	
05336	LAB	*R1	1	TU TH	26	E B	
05337	LAB	*S	2	TU TH	218	E B	
05323	LAB	S1	2	TU TH	26	E B	
05338	LAB	*T	3	TU TH	218	E B	
05324	LAB	T1	3	TU TH	26	E B	
05339	LAB	*U	4	TU TH	218	E B	
05340	LAB	*U1	4	TU TH	26	E B	

P E W 101 PRESCRIBED EXERCISE.

PREREQUISITE--RECOMMENDATION FROM DEPARTMENT OR HEALTH SERVICE.
1 HOUR
*SECTION X IS FOR PARAPLEGIC AND HANDICAPPED STUDENTS.
*SECTION O MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS.

05341	LAB	B	9	M W F	215	W GYM	
05342	LAB	D	11	M W F	215	W GYM	
05343	LAB	G	2	M W F	215	W GYM	
05344	LAB	*X	4	M W F	116	E B POOL	
05345	LAB	*O	10	TU TH	215	W GYM	

P E W 102 MODIFIED ACTIVITIES.

PREREQUISITE--RECOMMENDATION FROM DEPARTMENT OR HEALTH SERVICE.
1 HOUR
*SECTIONS P,T, AND U MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS.

05346	LAB	P	11	TU TH	215	W GYM	
05347	LAB	T	3	TU TH	215	W GYM	
05348	LAB	U	4	TU TH	215	W GYM	
05350	LAB	*A	8	M W	218	E B	
05351	LAB	*A1	8	M W	26	E B	
05354	LAB	*D	11	M W F	10	W GYM	
05349	LAB	*J	5	M W	26	E B	
05352	LAB	*M	8	TU TH	218	E B	
05353	LAB	*M1	8	TU TH	26	E B	

P E W 104 MODERN DANCE.

PREREQUISITE--P.E.W. 103 OR EQUIVALENT.
1 HOUR
*SECTIONS C, Q AND R MEET FOR FORTY-FIVE MINUTES TWICE A WEEK. REGISTRATION IS LIMITED TO STUDENTS HAVING FREE PERIOD FOLLOWING THE CLASS.

05355	LAB	*C	10	W F	311	W GYM	
05356	LAB	*Q	12	TU TH	311	W GYM	
05357	LAB	*R	1	TU TH	311	W GYM	

P E W 107 MODERN GYMNASTICS.

PREREQUISITE--P.E.W. 103 OR EQUIVALENT.
1 HOUR
*SECTION N MEETS FOR FORTY-FIVE MINUTES TWICE A WEEK. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.
*SECTIONS A & M MEET ON THE HOUR FOR FORTY-FIVE MINUTES AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05358	LAB	*A	8	M W	311	W GYM	
05359	LAB	*M	8	TU TH	311	W GYM	
05360	LAB	*N	9	TU TH	311	W GYM	

P E W 110 ELEMENTARY SWIMMING.

1 HOUR
*SECTION I IS FOR STUDENTS AFRAID OF WATER.
*SECTION J MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05361	LAB	B	9	M W F	116	E B POOL	
05362	LAB	C	10	M W F	116	E B POOL	
05363	LAB	D	11	M W F	116	E B POOL	
05364	LAB	H	3	M W F	116	E B POOL	
05365	LAB	*I	4	M W F	116	E B POOL	
05366	LAB	*J	5	M W	116	E B POOL	

P E W 111 SUB-INTERMEDIATE SWIMMING.
1 HOUR
•SECTIONS E, F, G, N, P, Q, S, T, U, AND V MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS.
•SECTION A MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING CLASS.

05368	LAB	•A	8	M W	116	E B POOL
05368	LAB	•E	12	M W	116	E B POOL
05369	LAB	•F	1	M W	116	E B POOL
05370	LAB	•G	2	M W F	116	E B POOL
05367	LAB	K	6	M W	116	E B POOL
05371	LAB	•N	9	TU TH	116	E B POOL
05372	LAB	•P	11	TU TH	116	E B POOL
05373	LAB	•Q	12	TU TH	116	E B POOL
05374	LAB	•S	2	TU TH	116	E B POOL
05375	LAB	•T	3	TU TH	116	E B POOL
05376	LAB	•U	4	TU TH	116	E B POOL
05377	LAB	•V	5	TU TH	116	E B POOL

P E W 112 INTERMEDIATE SWIMMING.
1 HOUR
•SECTION R MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05379	LAB	•R	1	TU TH	116	E B POOL

P E W 114 LIFE SAVING.
PREREQUISITE--P E W 112 OR EQUIVALENT.
1 HOUR

05380	LAB	E	12-2	F	116	E B POOL
05381	LAB	L	7-9PM	TH	116	E B POOL

P E W 115 SYNCHRONIZED SWIMMING.
PREREQUISITE--P.E.W. 112.
1 HOUR
•SECTION R MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. IS LIMITED TO STUDENTS WITH A FREE PERIOD FOLLOWING THE CLASS.

05382	LAB	•R	10	TU TH	116	E B POOL

P E W 117 WATER SAFETY.
PREREQUISITE--SENIOR AMERICAN RED CROSS LIFE SAVING CERTIFICATE
1 HOUR

05383	LAB	Z	10-12	S	116	E B POOL
05384	LAB	L	7-9PM	W	116	E B POOL

P E W 120 HOCKEY.
1 HOUR
•SECTIONS B, C, E, AND G MEET FIVE DAYS A WEEK FOR EIGHT WEEKS.

05385	LAB	•B	9	MTUWTHF	HOCKEY FIELD
05386	LAB	•C	10	MTUWTHF	EAST FIELD W GYM
05387	LAB	•E	12	MTUWTHF	EAST FIELD W GYM
05388	LAB	•G	2	MTUWTHF	HOCKEY FIELD

P E W 121 LACROSSE.
1 HOUR
•SECTIONS B AND D MEET FIVE TIMES A WEEK FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.

05389	LAB	•B	9	MTUWTHF	EAST FIELD W GYM
05390	LAB	•D	11	MTUWTHF	EAST FIELD W GYM

P E W 122 SPEEDBALL.
1 HOUR
•SECTIONS B, C AND D MEET FIVE TIMES A WEEK FOR EIGHT WEEKS.
•SECTION B IS FOLLOWED BY ICE SKATING.

05391	LAB	•B	9	MTUWTHF	SPEEDBALL FIELD
05392	LAB	•C	10	MTUWTHF	SPEEDBALL FIELD
05393	LAB	•D	11	MTUWTHF	SPEEDBALL FIELD

P E W 123 BASKETBALL.

1 HOUR

*SECTIONS J, N, P, R, T, AND V MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05394	LAB	E	12	M W F	310	W	GYM
05395	LAB	F	1	M W F	26	E	B
05396	LAB	G	2	M W F	26	E	B
05397	LAB	H	3	M W F	310	W	GYM
05398	LAB	*J	5	M W	310	W	GYM
05399	LAB	*N	9	TU TH	310	W	GYM
05400	LAB	*P	11	TU TH	26	E	B
05401	LAB	*R	1	TU TH	310	W	GYM
05402	LAB	*T	3	TU TH	310	W	GYM
05403	LAB	*V	5	TU TH	310	W	GYM

P E W 124 VOLLEYBALL.

1 HOUR

*SECTIONS D, J, AND P MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS HOUR.

*SECTION M MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05404	LAB	B	9	M W F	311	W	GYM
05407	LAB	*D	11	W F	311	W	GYM
05405	LAB	F	1	M W F	311	W	GYM
05406	LAB	I	4	M W F	310	W	GYM
05408	LAB	*J	5	M W	218	E	B
05410	LAB	*M	8	TU TH	310	W	GYM
05409	LAB	*P	11	TU TH	218	E	B

P E W 130 BADMINTON.

1 HOUR

*SECTIONS O, P, Q, S, AND V MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

*SECTION A MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05417	LAB	*A	8	M W	310	W	GYM
05411	LAB	B	9	M W F	310	W	GYM
05412	LAB	*O	10	TU TH	310	W	GYM
05413	LAB	*P	11	TU TH	310	W	GYM
05414	LAB	*Q	12	TU TH	310	W	GYM
05415	LAB	*S	2	TU TH	310	W	GYM
05416	LAB	*V	5	TU TH	26	E	B

P E W 131 GOLF.

1 HOUR

*SECTION M MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

*9 WEEKS ONLY.

05418	LAB	*E	12-2	M W	11	W	GYM
05420	LAB	*M	8	TU TH	11	W	GYM
05419	LAB	*R	1-3	TU TH	11	W	GYM

P E W 132 BOWLING.

ALLEY SERVICE CHARGE, $5.

1 HOUR

*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND ARE DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

*SECTION P IS COEDUCATIONAL.

05421	LAB	A	8	M W	40	IU	ALLEYS
05422	LAB	A1	8	M W	40	IU	ALLEYS
05423	LAB	B	9	M W	40	IU	ALLEYS
05424	LAB	B1	9	M W	40	IU	ALLEYS
05425	LAB	C	10	M W	40	IU	ALLEYS
05426	LAB	C1	10	M W	40	IU	ALLEYS
05427	LAB	D	11	M W	40	IU	ALLEYS
05428	LAB	*P	11	TU TH	40	IU	ALLEYS

P E W 133 FENCING.

1 HOUR

*SECTION A MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05432	LAB	*A	8	M W	11	W	GYM
05429	LAB	B	9	M W F	11	W	GYM
05430	LAB	C	10	M W F	11	W	GYM
05431	LAB	D	11	M W F	11	W	GYM

P E W 135 ARCHERY.
1 HOUR
*SECTIONS P, Q, AND U MEET TWICE A WEEK FOR FORTY-FIVE MINUTES AND ARE LIMITED TO STUDENTS WITH A FREE PERIOD FOLLOWING THE CLASS.

05433	LAB	G	2	M W F	11	W GYM
05434	LAB	*P	11	TU TH	11	W GYM
05435	LAB	*Q	12	TU TH	11	W GYM
05436	LAB	*U	4	TU TH	11	W GYM

P E W 136 TENNIS.
1 HOUR
*SECTIONS B, C, D, E, F, H, AND I MEET FIVE TIMES A WEEK FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.

05437	LAB	*B	9	MTUWTHF	COURTS	W GYM
05438	LAB	*C	10	MTUWTHF	COURTS	W GYM
05439	LAB	*D	11	MTUWTHF	COURTS	W GYM
05440	LAB	*E	12	MTUWTHF	COURTS	W GYM
05441	LAB	*F	1	MTUWTHF	COURTS	W GYM
05442	LAB	*H	3	MTUWTHF	COURTS	W GYM
05443	LAB	*I	4	MTUWTHF	COURTS	W GYM

P E W 140 ADVANCED TENNIS.
PREREQUISITE--P.E.W. 136 OR CONSENT OF INSTRUCTOR.
1 HOUR
*THIS CLASS MEETS 5 DAYS A WEEK FOR THE FIRST 8 WEEKS OF THE SEMESTER.

05444	LAB		2	MTUWTHF	COURTS	W GYM

P E W 142 BALLROOM DANCE.
SAME AS P.E.M. 142.
1 HOUR
*SECTIONS N, O, AND P MEET FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND ARE DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05445	LAB	*N	9	TU TH	302	H G
05446	LAB	*O	10	TU TH	302	H G
05447	LAB	*P	11	TU TH	302	H G

P E W 143 AMERICAN SQUARE DANCE
SAME AS P.E.M. 143.
1 HOUR
*CLASS MEETS FOR FORTY-FIVE MINUTES, STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05448	LAB	S	2	TU TH	302	H G

P E W 144 TECHNIQUES IN ANGLING.
SAME AS P.E.M. 144.
1 HOUR
*MEETS FOR FIRST 8 WEEKS ONLY.

05449	LAB	*R	1-3	TU TH	120S	ICE RINK

P E W 145 ICE SKATING AND SMALL AREA SPORTS.
SAME AS P.E.M. 145.
1 HOUR
*THIS CLASS WILL BEGIN ON NOVEMBER 9, 1964.

05450	LAB	B	9	MTUWTHF	120S	ICE RINK
05451	LAB	C	10	MTUWTHF	120S	ICE RINK
05452	LAB	D	11	MTUWTHF	120S	ICE RINK
05453	LAB	F	1	MTUWTHF	120S	ICE RINK

PROFESSIONAL COURSES FOR UNDERGRADUATES

P E W 150 PROFESSIONAL ORIENTATION.
2 HOURS
*SOPHOMORE AND JUNIOR TRANSFERS.

05454	LECT	U	4	TU	144	BEV HALL	HILL, ALY, AND LAMBERT
05455	DISC	T1	3	TU TH	123	M H	ALY
05456	DISC	T2	3	TU TH	144	BEV HALL	HILL
05457	DISC	*T3	3	TU TH	129	W GYM	LAMBERT

P E W 151 BASIC MOVEMENT AND BODY MECHANICS.
1 HOUR

05458	LAB	C	10	MTU TH	311	W GYM	HILL, ALY
05459	LAB	D	11	MTU TH	311	W GYM	HILL, LAMBERT

P E W 152 HOCKEY AND VOLLEYBALL.
1 HOUR

05460	LAB	C	10-12	M	310	W GYM	LAMBERT, ALY
		C	10	F	310	W GYM	
05461	LAB	D	10-12	W	310	W GYM	ALY, LAMBERT
		D	11	F	310	W GYM	

P E W 154 SOFTBALL AND GYMNASTICS AND APPARATUS I.
1 HOUR

05462	LAB	H1	3	M W F	311	W GYM	HOYMAN
05463	LAB	H2	3	M W F	EAST FIELD W GYM		RICE

P E W 156 STUNTS, TUMBLING, AND TRAMPOLINE.
1 HOUR

05464	LAB	T1	3	TU TH	311	W GYM	CULLEN
		T1	4	TU	311	W GYM	
05465	LAB	T2	3	TU TH	11	W GYM	DROM
		T2	4	TU	129	W GYM	

P E W 165 TEACHING OF SWIMMING.
PREREQUISITE--SOPHOMORE OR JUNIOR STANDING, P.E.W. 112.
2 HOURS

05466	LECT	A	8	M W	129	W GYM	HARRIS
05466	LAB	A	8	TU TH	116	E 8 POOL	

P E W 166 ELEMENTARY SCHOOL GAMES.
SAME AS P.E.M. 166.
3 HOURS

05467	LAB	N	9	TU TH	11	W GYM	DROM
05467	LECT	N	10	TU TH	129	W GYM	

P E W 167 TEACHING OF GYMNASTICS AND DANCE.
PREREQUISITE--P.E.W. 151, DANCE 160 AND 235, OR EQUIVALENT.
2 HOURS

05468	LAB	E1	12	M W F	311	W GYM	STOCKMAN
05469	LAB	E2	12	M W F	129	W GYM	HOYMAN

PROFESSIONAL COURSES FOR ADVANCED UNDERGRADUATES

P E W 204 ORGANIZATION OF PHYSICAL EDUCATION.
SAME AS P.E.M. 204.
PREREQUISITE--SENIOR STANDING IN PHYSICAL EDUCATION.
3 HOURS
*WILL NOT MEET DURING THE TEN-WEEK STUDENT TEACHING PERIOD.

05470	LECT-DISC	F	1	TU TH	128	W GYM	TREKELL
		F	1	M W F	128	W GYM	

P E W 205 TESTS AND MEASUREMENTS IN HEALTH, PHYSICAL EDUCATION, AND RECREATION.
PREREQUISITE--JUNIOR OR SENIOR STANDING.
3 HOURS
*WILL NOT MEET DURING THE TEN-WEEK STUDENT TEACHING PERIOD.

05471	LECT-DISC	C	10-12	M W F	129	W GYM	YOUNG
		C	10-12	TU TH	128	W GYM	

P E W 206 KINESIOLOGY.
PREREQUISITE--PHYSL. 103 AND 234.
3 HOURS

05472	LECT-DISC	R	1-3	TU TH	129	W GYM	HUELSTER

P E W 208 THEORY OF PRESCRIBED EXERCISE.
PREREQUISITE--P E W 206.
3 HOURS

05473	LECT-DISC	H	3	M W F	129	W GYM	SCHNAUBER

P E W 209 HISTORY OF SPORT.
SAME AS P.E.M. 209.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

05474	LECT-DISC	B	9	M	W	F	129	W	GYM	HILL

P E W 213 TEACHING OF SPORTS.
PREREQUISITE--P.E.W. 151, 152, 153, OR CONSENT OF INSTRUCTOR.
4 HOURS

05475	LECT-DISC	F	1-3	M	W		129	W	GYM	SOUDER
		F	1			F	129	W	GYM	

P E W 215 SUPERVISED EXPERIENCE AND TEACHING, I.
NO CREDIT

05476	LAB	G	2			F	129	W	GYM	SOUDER

P E W 220 PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER.
SAME AS P.E.M. 220.
PREREQUISITE--JUNIOR STANDING, NON-PHYSICAL EDUCATION MAJOR.
2 HOURS
•SECTIONS F1 AND G1 FOR GRADES K-2.
•SECTIONS F2 AND G2 FOR GRADES 3-6.

05477	LECT-DISC	•F1	1	M	W	F	11	E	B	DROM
05479	LECT-DISC	•F2	1	M	W	F	218	E	B	WESTERLUND
05478	LECT-DISC	•G1	2	M	W	F	11	E	B	
05480	LECT-DISC	•G2	2	M	W	F	218	E	B	

P E W 222 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL.
PREREQUISITE--P.E.W. 166, 154, DANCE 235, 48 OR MORE CLOCK HOURS
OF APPROVED LABORATORY WORK WITH CHILDREN, OR CONSENT
OF INSTRUCTOR.
2 HOURS

05481	LAB-DISC	M	8-10	TU	TH		128	W	GYM	LAMBERT

PHYSICS

DEPARTMENT OFFICE [illegible] 211 [illegible]

ENGINEERING PHYSICS [illegible] SEE UNDER [illegible] CATALOG.

[illegible]

L.A.S.GENERAL CURRICULUM MAJOR--[illegible] IN PHYSICS, INCLUDING PHYSICS 321, 341, AND 342, AND [illegible] WITH NUMBERS LESS THAN 270.

L.A.S.GENERAL CURRICULUM MINOR--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH NO LESS THAN EIGHT HOURS IN EACH OF TWO AREAS CHOSEN--ASTRONOMY, CHEMISTRY, EDUCATION, GEOLOGY, MATHEMATICS, GEOLOGY OR ANY ONE BRANCH OF ENGINEERING.

PHYSICS 101 AND 102 ARE RECOMMENDED TO PREMEDICAL, PRECENTAL, ARCHITECTURE, AND OTHER STUDENTS NOT SPECIALIZING IN PHYSICS, MATHEMATICS, CHEMISTRY OR ENGINEERING.

THE CALCULUS PREREQUISITE FOR [illegible] COURSES MAY BE SATISFIED EITHER BY MATH. 132 AND 142, OR MATH. 133 AND 143.

PHYCS 101 GENERAL PHYSICS--MECHANICS, HEAT, AND SOUND.
PREREQUISITE--TRIGONOMETRY.
5 HOURS

05482	LECT	A	10	TU TH	141	P B		HULSIZER
05483	LECT	B	1	TU TH	141	P B		
05484	QUIZ	A1	8	M W	137	P B		
05485	QUIZ	A2	8	M W	139	P B		
05486	QUIZ	A3	8	M W	143	P B		
05487	QUIZ	A4	8	M W	147	P B		
05488	QUIZ	B1	9	M W	132	P B		
05489	QUIZ	B2	9	M W	164	P B		
05490	QUIZ	B3	9	M W	139	P B		
05491	QUIZ	B4	9	M W	143	P B		
05492	QUIZ	C1	10	M W	139	P B		
05493	QUIZ	C2	10	M W	143	P B		
05494	QUIZ	D1	11	M W	139	P B		
05495	QUIZ	D2	11	M W	143	P B		
05496	QUIZ	E1	1	M W	137	P B		
05497	QUIZ	E2	1	M W	147	P B		
05498	QUIZ	F1	2	M W	137	P B		
05499	QUIZ	F2	2	M W	147	P B		
05500	QUIZ	I1	8	TU TH	137	P B		
05501	QUIZ	I2	8	TU TH	147	P B		
05502	QUIZ	J1	8	TU TH	147	P B		
05503	QUIZ	K1	10	TU TH	147	P B		
05504	QUIZ	L1	11	TU TH	137	P B		
05505	QUIZ	L2	11	TU TH	147	P B		
05506	QUIZ	M1	1	TU TH	137	P B		
05507	QUIZ	M2	1	TU TH	147	P B		
05508	QUIZ	N1	2	TU TH	137	P B		
05509	QUIZ	N2	2	TU TH	147	P B		
05510	QUIZ	O1	3	TU TH	137	P B		
05511	QUIZ	O2	3	TU TH	147	P B		
05512	LAB	A1	12-3	M	132	P B		
05513	LAB	A2	12-3	M	164	P B		
05514	LAB	B1	3-6	M	132	P B		
05515	LAB	B2	3-6	M	164	P B		
05516	LAB	C1	8-11	TU	132	P B		
05517	LAB	C2	8-11	TU	164	P B		
05518	LAB	D1	12-3	TU	132	P B		
05519	LAB	D2	12-3	TU	164	P B		
05520	LAB	E1	3-6	TU	132	P B		
05521	LAB	E2	3-6	TU	164	P B		
05522	LAB	F1	12-3	W	132	P B		
05523	LAB	F2	12-3	W	164	P B		
05524	LAB	G1	3-6	W	132	P B		
05525	LAB	G2	3-6	W	164	P B		
05526	LAB	H1	8-11	TH	132	P B		
05527	LAB	H2	8-11	TH	164	P B		
05528	LAB	I1	12-3	TH	132	P B		
05529	LAB	I2	12-3	TH	164	P B		
05530	LAB	J1	3-6	TH	132	P B		
05531	LAB	J2	3-6	TH	164	P B		
05532	LAB	K1	12-3	F	132	P B		
05533	LAB	K2	12-3	F	164	P B		
05534	LAB	L1	3-6	F	132	P B		
05535	LAB	L2	3-6	F	164	P B		
05536	LAB	M1	9-12	S	132	P B		
05537	LAB	M2	9-12	S	164	P B		

PHYCS 102 GENERAL PHYSICS--LIGHT, ELECTRICITY, AND MAGNETISM.
PREREQUISITE--PHYCS. 101.
5 HOURS

05538	LECT	A	2	TU TH	151	P B		SUTTON
05539	QUIZ	A1	8	M W	32	P B		
05540	QUIZ	B1	9	M W	32	P B		
05541	QUIZ	C1	10	M W	32	P B		
05542	QUIZ	D1	11	M W	32	P B		
05543	QUIZ	E1	11	TU TH	32	P B		
05544	QUIZ	F1	1	TU TH	32	P B		
05545	LAB	A1	2-5	M	32	P B		
05546	LAB	B1	8-11	TU	32	P B		
05547	LAB	C1	2-5	W	32	P B		
05548	LAB	D1	8-11	TH	32	P B		
05549	LAB	E1	1-4	F	32	P B		
05550	LAB	F1	9-12	S	32	P B		

PHYCS 106 GENERAL PHYSICS--MECHANICS.

FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE--MATH. 122, 123--CREDIT OR REGISTRATION IN MATH. 132 OR 133.
4 HOURS
•FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

05551	LECT	A	9	M	W		141	P	B	PHYSICS
05552	LECT	B	11	M	W		141	P	B	
05553	LAB	A2	8-10		W		232	P	B	
05553	QUIZ	A2	8-10			F	232	P	B	
05554	LAB	B2	8-10		W		264	P	B	
05554	QUIZ	B2	8-10			F	264	P	B	
05555	LAB	C2	10-12		W		232	P	B	
05555	QUIZ	C2	10-12			F	232	P	B	
05556	LAB	D2	10-12		W		264	P	B	
05556	QUIZ	D2	10-12			F	264	P	B	
05574	LAB	•GE1	1-3	M			232	P	B	
05574	QUIZ	•GE1	1-3		W		139	P	B	
05557	LAB	E2	1-3		W		232	P	B	
05557	QUIZ	E2	1-3			F	139	P	B	
05558	LAB	F1	1-3	M			264	P	B	
05558	QUIZ	F1	1-3		W		143	P	B	
05559	LAB	F2	1-3		W		264	P	B	
05559	QUIZ	F2	1-3			F	143	P	B	
05560	LAB	G1	3-5	M			232	P	B	
05560	QUIZ	G1	3-5		W		139	P	B	
05561	LAB	G2	3-5		W		232	P	B	
05561	QUIZ	G2	3-5			F	139	P	B	
05562	LAB	H1	3-5	M			264	P	B	
05562	QUIZ	H1	3-5		W		143	P	B	
05563	LAB	H2	3-5		W		264	P	B	
05563	QUIZ	H2	3-5			F	143	P	B	
05564	LAB	I1	8-10	TU			232	P	B	
05564	QUIZ	I1	8-10		TH		139	P	B	
05565	LAB	I2	8-10		TH		232	P	B	
05565	QUIZ	I2	8-10			S	139	P	B	
05566	LAB	J1	8-10	TU			264	P	B	
05566	QUIZ	J1	8-10		TH		143	P	B	
05567	LAB	J2	8-10		TH		264	P	B	
05567	QUIZ	J2	8-10			S	143	P	B	
05568	LAB	K1	10-12	TU			232	P	B	
05568	QUIZ	K1	10-12		TH		139	P	B	
05569	LAB	K2	10-12		TH		232	P	B	
05569	QUIZ	K2	10-12			S	139	P	B	
05570	LAB	L1	10-12	TU			264	P	B	
05570	QUIZ	L1	10-12		TH		143	P	B	
05575	LAB	•GM1	1-3	TU			232	P	B	
05575	QUIZ	•GM1	1-3		TH		232	P	B	
05571	LAB	N1	1-3	TU			264	P	B	
05571	QUIZ	N1	1-3		TH		264	P	B	
05572	LAB	O1	3-5	TU			232	P	B	
05572	QUIZ	O1	3-5		TH		232	P	B	
05573	LAB	P1	3-5	TU			264	P	B	
05573	QUIZ	P1	3-5		TH		264	P	B	

PHYCS 107 GENERAL PHYSICS--HEAT, ELECTRICITY, AND MAGNETISM.

FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE--PHYCS. 106, CREDIT OR REGISTRATION IN MATH. 142 OR 143.
4 HOURS
•FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

05576	LECT	A	2	M	W		141	P	B	GRANATO
05577	LECT	B	4	M	W		141	P	B	
05603	LAB	•GA1	8-10	M			234	P	B	
05603	QUIZ	•GA1	8-10		W		234	P	B	
05578	LAB	B1	8-10	M			262	P	B	
05578	QUIZ	B1	8-10		W		262	P	B	
05579	LAB	C1	10-12	M			234	P	B	
05579	QUIZ	C1	10-12		W		234	P	B	
05580	LAB	D1	10-12	M			262	P	B	
05580	QUIZ	D1	10-12		W		262	P	B	
05581	LAB	E1	1-3	M			234	P	B	
05581	QUIZ	E1	1-3		W		234	P	B	
05582	LAB	E3	1-3			F	234	P	B	
05582	QUIZ	E3	1-3	M			139	P	B	
05583	LAB	F1	1-3	M			262	P	B	
05583	QUIZ	F1	1-3		W		262	P	B	
05584	LAB	F3	1-3			F	262	P	B	
05584	QUIZ	F3	1-3	M			143	P	B	

PHYCS107 CONTINUED

05585	LAB	G1	3-5	M		234	P	B
05585	QUIZ	G1	3-5		W	234	P	B
05586	LAB	G3	3-5		F	234	P	B
05586	QUIZ	G3	3-5	M		139	P	B
05587	LAB	H1	3-5	M		262	P	B
05587	QUIZ	H1	3-5		W	262	P	B
05588	LAB	H3	3-5		F	262	P	B
05588	QUIZ	H3	3-5	M		143	P	B
05589	LAB	I1	8-10	TU		234	P	B
05589	QUIZ	I1	8-10		TH	234	P	B
05590	LAB	I3	8-10		S	234	P	B
05590	QUIZ	I3	8-10	TU		143	P	B
05591	LAB	J1	8-10	TU		262	P	B
05591	QUIZ	J1	8-10		TH	262	P	B
05592	LAB	J3	8-10		S	262	P	B
05592	QUIZ	J3	8-10	TU		139	P	B
05593	LAB	K1	10-12	TU		234	P	B
05593	QUIZ	K1	10-12		TH	234	P	B
05594	LAB	K3	10-12		S	234	P	B
05594	QUIZ	K3	10-12	TU		139	P	B
05595	LAB	L1	10-12	TU		262	P	B
05595	QUIZ	L1	10-12		TH	262	P	B
05604	LAB	*&M1	1-3	TU		234	P	B
05604	QUIZ	*&M1	1-3		TH	139	P	B
05596	LAB	M2	1-3		TH	234	P	B
05596	QUIZ	M2	1-3	TU		139	P	B
05597	LAB	N1	1-3	TU		262	P	B
05597	QUIZ	N1	1-3		TH	143	P	B
05598	LAB	N2	1-3		TH	262	P	B
05598	QUIZ	N2	1-3	TU		143	P	B
05599	LAB	O1	3-5	TU		234	P	B
05599	QUIZ	O1	3-5		TH	139	P	B
05600	LAB	O2	3-5		TH	234	P	B
05600	QUIZ	O2	3-5	TU		139	P	B
05601	LAB	P1	3-5	TU		262	P	B
05601	QUIZ	P1	3-5		TH	143	P	B
05602	LAB	P2	3-5		TH	262	P	B
05602	QUIZ	P2	3-5	TU		143	P	B

PHYCS 108 GENERAL PHYSICS--WAVE MOTION, SOUND, LIGHT, AND MODERN PHYSICS.
FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE--PHYCS. 107, CREDIT OR REGISTRATION IN MATH. 142 OR 143
4 HOURS
*FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

05605	LECT	A	9	TU TH		151	P	B	SARD
05606	LECT	B	11	TU TH		151	P	B	
05622	LAB	*&A2	8-10		F	236	P	B	
05622	QUIZ	*&A2	8-10		W	236	P	B	
05607	LAB	B2	8-10		F	258	P	B	
05607	QUIZ	B2	8-10		W	258	P	B	
05608	LAB	C2	10-12		F	236	P	B	
05608	QUIZ	C2	10-12		W	236	P	B	
05609	LAB	D2	10-12		F	258	P	B	
05609	QUIZ	D2	10-12		W	258	P	B	
05610	LAB	E3	1-3		F	236	P	B	
05610	QUIZ	E3	1-3	M		236	P	B	
05611	LAB	F3	1-3		F	258	P	B	
05611	QUIZ	F3	1-3	M		258	P	B	
05612	LAB	G3	3-5		F	236	P	B	
05612	QUIZ	G3	3-5	M		236	P	B	
05613	LAB	H3	3-5		F	258	P	B	
05613	QUIZ	H3	3-5	M		258	P	B	
05614	LAB	I1	8-10		TH	236	P	B	
05614	QUIZ	I1	8-10	TU		236	P	B	
05615	LAB	J1	8-10		TH	258	P	B	
05615	QUIZ	J1	8-10	TU		258	P	B	
05616	LAB	K1	10-12		TH	236	P	B	
05616	QUIZ	K1	10-12	TU		236	P	B	
05617	LAB	L1	10-12		TH	258	P	B	
05617	QUIZ	L1	10-12	TU		258	P	B	
05618	LAB	L3	10-12		S	258	P	B	
05618	QUIZ	L3	10-12	TU		143	P	B	
05623	LAB	*&M2	1-3		TH	236	P	B	
05623	QUIZ	*&M2	1-3	TU		236	P	B	
05619	LAB	N2	1-3		TH	258	P	B	
05619	QUIZ	N2	1-3	TU		258	P	B	
05620	LAB	O2	3-5		TH	236	P	B	
05620	QUIZ	O2	3-5	TU		236	P	B	
05621	LAB	P2	3-5		TH	258	P	B	
05621	QUIZ	P2	3-5	TU		258	P	B	

PHYCS 113 LABORATORY IN GENERAL PHYSICS--MECHANICS, HEAT, AND SOUND.
PREREQUISITE--COURSE IN COLLEGE PHYSICS WITHOUT LABORATORY.
1 HOUR
SEE LAB SECTIONS FOR PHYCS. 101.
05624 LAB ARR

PHYCS 114 LABORATORY IN GENERAL PHYSICS-LIGHT, ELECTRICITY, AND MAGNETISM
PREREQUISITE--COURSE IN COLLEGE PHYSICS WITHOUT LABORATORY.
1 HOUR
SEE LAB SECTIONS FOR PHYCS. 102.
05625 LAB ARR

COURSES FOR ADVANCED UNDERGRADUATES

PHYCS 281 INTERMEDIATE ATOMIC PHYSICS.
PREREQUISITE--GENERAL PHYSICS AND CALCULUS.
3 HOURS

05626	LECT		11	M W F	137	P B		ANDERSON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PHYCS 303 MODERN EXPERIMENTAL PHYSICS, I.
PREREQUISITE--PHYCS. 342 AND CONCURRENT REGISTRATION IN PHYCS. 381.
5 HOURS, OR 1 UNIT
*FOR HONORS STUDENTS.

05627	LECT		3-5	M	136	P B		COMPTON,
05628	LAB	A	1-5	W F	336	P B		
05629	LAB	B	1-5	TU TH	336	P B		
05632	LAB	*&C	ARR		336	P B		
								KOESTER
05628	LAB	A	1-5	W F	336	P B		
05629	LAB	B	1-5	TU TH	336	P B		
05630	LAB	*&C	ARR		336	P B		WATTENBERG

PHYCS 304 MODERN EXPERIMENTAL PHYSICS, II.
PREREQUISITE--PHYCS. 303.
5 HOURS, OR 1 UNIT
*FOR HONORS STUDENTS.

05634	LAB	A	1-5	W F	336	P B		COMPTON,
05635	LAB	B	1-5	TU TH	336	P B		
05637	LAB	*&C	ARR		336	P B		
								KOESTER
05635	LAB	B	1-5	TU TH	336	P B		
05636	LAB	*&C	ARR		336	P B		WATTENBERG

PHYCS 321 THEORETICAL MECHANICS.
PREREQUISITE--GENERAL PHYSICS, CONCURRENT REGISTRATION IN
MATH. 341, 345, OR 349.
*NO GRADUATE CREDIT IS GIVEN TO GRADUATE MAJORS IN PHYSICS.
*4 HOURS, OR 1 UNIT

05639	LECT	A	11	M W F	136	P B		GINSBERG
05640	LECT	B	10	TU TH S	137	P B		YAVIN

PHYCS 322 THEORETICAL MECHANICS.
PREREQUISITE--PHYCS. 321.
4 HOURS, OR 1 UNIT
*GRADUATE STUDENTS SHOULD REGISTER IN LECT. B.

05641	LECT	A	9	M W F	136	P B		ABASHIAN
05642	LECT	*B	9	TU TH S	158	P B		ADLER

PHYCS 341 ELECTRICITY AND MAGNETISM.
PREREQUISITE--GENERAL PHYSICS, REGISTRATION IN MATH. 341, 343,
OR 345, OR CONSENT OF INSTRUCTOR.
*NO GRADUATE CREDIT FOR GRADUATE MAJORS IN PHYSICS.
*4 HOURS, OR 1/2 OR 1 UNIT

05643	LECT	A	9	M W F	158	P B		LYMAN
05644	LECT	B	9	TU TH S	137	P B		FLYNN
05645	LAB	A	2-5	M	332	P B		
05646	LAB	B	8-11	TU	332	P B		
05647	LAB	C	1-4	TU	332	P B		
05648	LAB	D	2-5	W	332	P B		
05649	LAB	E	1-4	TH	332	P B		
05650	LAB	F	2-5	F	332	P B		

PHYCS 342 ELECTRICITY AND MAGNETISM.
PREREQUISITE--PHYCS. 341.
*NO GRADUATE CREDIT FOR GRADUATE MAJORS IN PHYSICS.
*4 HOURS, OR 1/2 OR 1 UNIT

05651	LECT		10	M W F	144	P B		HANSON
05652	LAB	A	2-5	M	364	P B		
05653	LAB	B	1-4	TU	364	P B		
05654	LAB	C	2-5	W	364	P B		
05655	LAB	D	1-4	TH	364	P B		

PHYCS 344 ELECTRONIC CIRCUITS.
PREREQUISITE--PHYCS. 343 OR EQUIVALENT.
5 HOURS, OR 1 UNIT

05656	LECT		1	M W	136	P B		
05657	LAB	A	2-5	M W	436	P B		
05658	LAB	B	1-4	TU TH	436	P B		

PHYCS 360 THERMODYNAMICS.
PREREQUISITE--GENERAL PHYSICS AND CALCULUS.
4 HOURS, OR 1 UNIT

05659	LECT		11	M W F	158	P B		MAPOTHER

PHYCS 362 KINETIC THEORY AND STATISTICS.
PREREQUISITE--PHYCS. 360 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

05660	LECT		10	M W F	136	P B		WHEATLEY

PHYCS 371 LIGHT.
PREREQUISITE--GENERAL PHYSICS, MATH. 345, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1/2 TO 1 UNIT

05661	LECT		11	TU TH S	136	P B		KLEIN
05662	LAB	A	2-5	M	432	P B		
05663	LAB	B	1-4	TU	432	P B		
05664	LAB	C	2-5	W	432	P B		
05665	LAB	D	1-4	TH	432	P B		

PHYCS 381 ATOMIC PHYSICS.
SAME AS CHEM. 396.
PREREQUISITE--GENERAL PHYSICS AND MATH 343 OR 345.
4 HOURS, OR 1 UNIT
*GRADUATE STUDENTS SHOULD REGISTER IN LECTURE B.

05666	LECT	A	10	M W F	151	P B		KRUGER
05667	LECT	*B	10	TU TH S	136	P B		GOLDWASSER

PHYCS 382 ATOMIC PHYSICS AND QUANTUM THEORY FOR ENGINEERS.
PREREQUISITE--GENERAL PHYSICS, GENERAL CHEMISTRY, MATH. 345, OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT

[illegible]	LECT	A	9	TU TH S	144	P B		RUSSELL
05669	LECT	B	11	M W F	151	P B		HANDLER

PHYCS 385 INTRODUCTION TO QUANTUM MECHANICS.
PREREQUISITE--MATH. 345, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT
*GRADUATE STUDENTS SHOULD REGISTER IN LECTURE B.

[illegible]	LECT	A	9	M W F	144	P B		HILL
05671	LECT	*B	10	TU TH S	158	P B		NISHIJIMA

COURSES FOR GRADUATES

PHYCS 400 PROBLEMS AND METHODS OF MATHEMATICAL PHYSICS.
PREREQUISITE--MATH. 342 OR 345 OR 347, OR 387, PHYCS. 322 AND 342, OR CONSENT OF INSTRUCTOR.
[illegible] UNIT

[illegible]	LECT		10	M W F	158	P B		BARTLETT

PHYCS 424 RELATIVITY AND COSMOLOGY.
SAME AS MATH. 460 AND ASTR. 424.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

05673	LECT		2	M W F	104	OBSERV		MC VITTIE

PHYCS 436 SELECTED TOPICS IN PHYSICS OF SOLIDS.
*A--IMPERFECTIONS IN METALS.
*B--IMPERFECTIONS IN IONIC CRYSTALS.
*C--MAGNETIC PROPERTIES OF SOLIDS.
PREREQUISITE--A--PHYCS. 490, B--PHYCS.490, C--PHYCS. 482 AND 490, CONSENT OF INSTRUCTOR.
1 UNIT

05674	LECT	A	1-230	TU TH	158	P B		KOEHLER

PHYCS 441 ELECTRODYNAMICS.
PREREQUISITE--PHYCS. 342 OR EQUIVALENT, REGISTRATION IN PHYCS. 400 OR CONSENT OF INSTRUCTOR.
1 UNIT

05675	LECT		11	M W F	144	P B		SMITH

PHYCS 442 ELECTRODYNAMICS.
PREREQUISITE--PHYCS. 441.
1 UNIT

05676	LECT		9	TU TH S	136	P B		KRUSE

PHYCS 456 REACTOR PHYSICS, II.
SAME AS NUC. E. 456.
PREREQUISITE--PHYCS. 455 OR CONSENT OF INSTRUCTOR.
1 UNIT

05677	LECT		2	M W F	203	MET LAB		ADLER

PHYCS 465 PLASMA PHYSICS.
PREREQUISITE--PHYCS. 362, AND 441 OR E.E. 423 OR CONSENT OF INSTRUCTOR.
1 UNIT

05678	LECT		10	M W F	137	P B		A E JACKSON

PHYCS 480 QUANTUM MECHANICS, I.
PREREQUISITE--PHYCS. 322 AND 342, AND A COURSE IN ATOMIC PHYSICS.
1 UNIT

05679	LECT		11	TU TH S	144	P B		RAVENHALL

PHYCS 481 QUANTUM MECHANICS, II.
PREREQUISITE--PHYCS. 480 OR CONSENT OF INSTRUCTOR.
1 UNIT

05680	LECT		9	M W F	151	P B		SCHULT

PHYCS 482 QUANTUM MECHANICS, III.
PREREQUISITE--PHYCS. 481, PHYCS. 422 OR CONSENT OF INSTRUCTOR.
1 UNIT

05681	LECT		11	TU TH S	158	P B		KADANOFF

PHYCS 483 NUCLEAR PHYSICS.
PREREQUISITE--PHYCS. 481, OR CONSENT OF INSTRUCTOR.
1 UNIT

05682	LECT		1-230	M W	151	P B		AXEL

PHYCS 487 TOPICS IN ADVANCED QUANTUM THEORY.
PREREQUISITE--A--PHYCS. 482, B--PHYCS. 487A.
A--ADVANCED QUANTUM MECHANICS.
B--QUANTUM FIELD THEORY.
1 UNIT

05683	LECT	A	9	M W F	137	P B		WYLD

PHYCS 488 ADVANCED TOPICS IN NUCLEAR AND PARTICLE PHYSICS.
PREREQUISITES--PHYCS. 482 AND 484 OR CONSENT OF INSTRUCTOR.
A--NUCLEAR PHYSICS.
B--PHYSICS OF ELEMENTARY PARTICLES.
1 UNIT

05684	LECT	B	1-230	TU TH	136	P B		J D JACKSON

PHYCS 489 SOLID STATE PHYSICS, I.
PREREQUISITE--PHYCS. 360, 362, 381, 480 OR CONSENT OF INSTRUCTOR.
1 UNIT

05685	LECT		10	TU TH S	144	P B		BARDEEN

PHYCS 491 SOLID STATE PHYSICS, III.
PREREQUISITE--PHYCS. 481.
1 UNIT

05686	LECT		230-4	M W	151	P B	PINES

PHYCS 497 INDIVIDUAL STUDY.
1/2 OR 1 UNIT

05687	CONF		ARR				STAFF

PHYCS 498 SEMINAR.
1/2 OR 1 UNIT
*SECTION J, 1 UNIT, ADVANCED STATISTICAL MECHANICS.

05688	LECT	*J	1-230	M W	158	P B	BAYM

PHYCS 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

05689	CONF		ARR				STAFF

PHYSIOLOGY

DEPARTMENT OFFICE 524 BURRILL HALL

MAJOR--THE MAJOR CONSISTS OF TWENTY HOURS IN ANIMAL PHYSIOLOGY OR CLOSELY RELATED SUBJECTS LISTED IN THE LAST SENTENCE BELOW, NOT INCLUDING ELEMENTARY COURSES, AND INCLUDING PHYSL. 301 AND PHYSL 302. BECAUSE PHYSIOLOGY REQUIRES AN UNDERSTANDING OF PHYSICAL AND BIOLOGICAL SCIENCE, THE STUDENTS PROGRAM MUST INCLUDE A YEAR OF GENERAL BIOLOGY, INCLUDING BOTH ANIMAL AND PLANT BIOLOGY, A SEMESTER OF GENETICS, MATHEMATICS THROUGH ELEMENTARY CALCULUS, TWO SEMESTERS OF PHYSICS, AND FOUR SEMESTERS OF CHEMISTRY INCLUDING GENERAL, INORGANIC, ORGANIC AND QUANTITATIVE CHEMISTRY. MICROBIOLOGY, EMBRYOLOGY, HISTOLOGY, PHYSICAL CHEMISTRY AND BIOCHEMISTRY ARE RECOMMENDED STRONGLY. WITH THE APPROVAL OF THE ADVISER, UPPER DIVISION COURSES IN GENETICS, BIOCHEMISTRY, BIOPHYSICS, AND PLANT PHYSIOLOGY MAY BE COUNTED TOWARD THE MAJOR.

MINOR--TWENTY HOURS MAY BE CHOSEN FROM PHYSICS, CHEMISTRY, MICROBIOLOGY OR ZOOLOGY, PROVIDED AT LEAST 8 SEMESTER HOURS ARE OFFERED IN THE LESSER, IF TWO MINORS ARE CHOSEN.

HONORS--STUDENTS WORKING TOWARD DEPARTMENTAL DISTINCTION MUST ENROLL IN PHYSIOLOGY 290 READING COURSE, WORK WITH AN ADVISOR FOR AT LEAST TWO SEMESTERS, AND TAKE A GENERAL EXAMINATION IN THE LAST SEMESTER OF THE SENIOR YEAR.

COURSES FOR UNDERGRADUATES

PHYSL 1 INTRODUCTION TO HUMAN PHYSIOLOGY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS IN LAB.-DISC. SECTIONS OF THE A [illegible]
REGISTER IN ANY LECTURE.

05690	LECT	A	[illegible]	[illegible]	228	N H[illegible]	TAYLOR, WILLIS
05691	LECT	B	10	TU TH	[illegible]	[illegible]	
05692	LAB-DISC	1A	8-10	M	434	BUR HALL	
		1A	8-10	W	436	BUR HALL	
05693	LAB-DISC	1B	8-10	M	422	BUR HALL	
		1B	8-10	W	444	BUR HALL	
05694	LAB-DISC	2A	10-12	M	434	BUR HALL	
		2A	10-12	W	436	BUR HALL	
05695	LAB-DISC	2B	10-12	M	422	BUR HALL	
		2B	10-12	W	444	BUR HALL	
05696	LAB-DISC	3A	1-3	M	434	BUR HALL	
		3A	1-3	W	436	BUR HALL	
05697	LAB-DISC	3B	1-3	M	422	BUR HALL	
		3B	1-3	W	444	BUR HALL	

[illegible]	LAB-DISC	4A	3-5	M	434	BUR	HALL
		4A	3-5	W	444	BUR	HALL
05699	LAB-DISC	4B	3-5	M	422	BUR	HALL
		4B	3-5	W	444	BUR	HALL
05700	LAB-DISC	5A	8-10	TU	434	BUR	HALL
		5A	8-10	TH	436	BUR	HALL
05701	LAB-DISC	5B	8-10	TU	422	BUR	HALL
		5B	8-10	TH	444	BUR	HALL
05702	LAB-DISC	6A	10-12	TU	434	BUR	HALL
		6A	10-12	TH	436	BUR	HALL
05703	LAB-DISC	6B	10-12	TU	422	BUR	HALL
		6B	10-12	TH	444	BUR	HALL
05704	LAB-DISC	7A	1-3	TU	434	BUR	HALL
		7A	1-3	TH	436	BUR	HALL
05705	LAB-DISC	7B	1-3	TU	422	BUR	HALL
		7B	1-3	TH	444	BUR	HALL
05706	LAB-DISC	8A	3-5	TU	434	BUR	HALL
		8A	3-5	TH	436	BUR	HALL
05707	LAB-DISC	9A	8-10	W	434	BUR	HALL
		9A	8-10	F	436	BUR	HALL
05708	LAB-DISC	9B	8-10	W	422	BUR	HALL
		9B	8-10	F	444	BUR	HALL
05709	LAB-DISC	10A	10-12	W	434	BUR	HALL
		10A	10-12	F	436	BUR	HALL
05710	LAB-DISC	10B	10-12	W	422	BUR	HALL
		10B	10-12	F	444	BUR	HALL
05711	LAB-DISC	11A	1-3	W	434	BUR	HALL
		11A	1-3	F	436	BUR	HALL
05712	LAB-DISC	11B	1-3	W	422	BUR	HALL
		11B	1-3	F	444	BUR	HALL
05713	LAB-DISC	12A	3-5	W	434	BUR	HALL
		12A	3-5	F	436	BUR	HALL
05714	LAB-DISC	12B	3-5	W	422	BUR	HALL
		12B	3-5	F	444	BUR	HALL
05715	LAB-DISC	13A	8-10	TH	434	BUR	HALL
		13A	8-10	TU	436	BUR	HALL
05716	LAB-DISC	13B	8-10	TH	422	BUR	HALL
		13B	8-10	TU	444	BUR	HALL
05717	LAB-DISC	14A	10-12	TH	434	BUR	HALL
		14A	10-12	TU	436	BUR	HALL
05718	LAB-DISC	14B	10-12	TH	422	BUR	HALL
		14B	10-12	TU	444	BUR	HALL
05719	LAB-DISC	15A	1-3	TH	434	BUR	HALL
		15A	1-3	TU	436	BUR	HALL
05720	LAB-DISC	15B	1-3	TH	422	BUR	HALL
		15B	1-3	TU	444	BUR	HALL
05721	LAB-DISC	16A	3-5	TH	434	BUR	HALL
		16A	3-5	TU	436	BUR	HALL
05722	LAB-DISC	17A	8-10	F	434	BUR	HALL
		17A	8-10	M	436	BUR	HALL
05723	LAB-DISC	17B	8-10	F	422	BUR	HALL
		17B	8-10	M	444	BUR	HALL
05724	LAB-DISC	18A	10-12	F	434	BUR	HALL
		18A	10-12	M	436	BUR	HALL
05725	LAB-DISC	18B	10-12	F	422	BUR	HALL
		18B	10-12	M	444	BUR	HALL
05726	LAB-DISC	19A	1-3	F	434	BUR	HALL
		19A	1-3	M	436	BUR	HALL
05727	LAB-DISC	19B	1-3	F	422	BUR	HALL
		19B	1-3	M	444	BUR	HALL
05728	LAB-DISC	20A	3-5	F	434	BUR	HALL
		20A	3-5	M	436	BUR	HALL
05729	LAB-DISC	20B	3-5	F	422	BUR	HALL
		20B	3-5	M	444	BUR	HALL

COURSES FOR ADVANCED UNDERGRADUATES

PHYSL 203 HUMAN PHYSIOLOGY FOR SELECTED STUDENTS.
PREREQUISITE--GRADE-POINT AVERAGE OF 4.0 OR BETTER, ONE YEAR OF PHYSICAL SCIENCES AT THE COLLEGE LEVEL OR CONSENT OF THE INSTRUCTOR.
•CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN PHYSL. 103 OR EQUIVALENT.
•5 HOURS

05730	LECT	&A	2	M W	228	N H B		TAYLOR, WILLIS
05731	LECT	&B	10	TU TH	228	N H B		
05732	LAB	&	3-6	TU TH	422	BUR	HALL	

PHYSL 234 HUMAN ANATOMY AND PHYSIOLOGY.
PREREQUISITE--ZOOL. 104 AND PHYSL. 103, OR CONSENT OF INSTRUCTOR.
5 HOURS
•LAB F1 IS FOR OCCUPATIONAL THERAPY STUDENTS ONLY.

05733	LECT		11	TU TH	124	BUR HALL	STOLPE
05734	LAB	A1	8-10	M W F	413	BUR HALL	
05735	LAB	A2	8-10	M W F	417	BUR HALL	
05736	LAB	B1	10-12	M W F	413	BUR HALL	
05737	LAB	B2	10-12	M W F	417	BUR HALL	
05738	LAB	C2	1-3	M W F	417	BUR HALL	
05739	LAB	E1	8-11	TU TH	413	BUR HALL	
05740	LAB	•F1	1-4	TU TH	413	BUR HALL	

PHYSL 290 READING COURSE.
PREREQUISITE--A COURSE IN PHYSIOLOGY, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS
NOTE--THIS COURSE IS NOT LIMITED TO HONORS STUDENTS.

05741	CONF		ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PHYSL 301 GENERAL PHYSIOLOGY.
SAME AS ZOOL. 301.
PREREQUISITE--ONE YEAR EACH OF COLLEGE LEVEL BIOLOGY, MATHEMATICS, AND PHYSICS, AND CHEMISTRY THROUGH ORGANIC.
5 HOURS, OR 1 UNIT

05742	LECT		10	M W F	124	BUR HALL	ANDERSON
05743	LAB	1	1-5	M	542	BUR HALL	AND OTHERS
05744	LAB	2	1-5	TU	542	BUR HALL	
05745	LAB	3	1-5	W	542	BUR HALL	
05746	LAB	4	1-5	TH	542	BUR HALL	
05747	LAB	5	1-5	F	542	BUR HALL	
05748	LAB	6	8-12	TU	542	BUR HALL	
05749	LAB	7	8-12	TH	542	BUR HALL	

PHYSL 312 ENDOCRINOLOGY.
SAME AS ZOOL. 312.
PREREQUISITE--PHYSL. 301 OR ZOOL. 301 OR A COURSE IN BIOCHEMISTRY CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

05750	LECT		11	M W F	140	BUR HALL	GORSKI
05751	LAB	1	8-12	TU	417	BUR HALL	
05752	LAB	2	8-12	TH	417	BUR HALL	

PHYSL 369 INTRODUCTION TO HUMAN ECOLOGY.
SAME AS GEOG., ANTH., ZOOL., SOC. AND V.M.S. 369.
PREREQUISITE--ONE YEAR OF BIOLOGY, AND ONE YEAR OF ANTHROPOLOGY, GEOGRAPHY, GEOLOGY, OR SOCIOLOGY.
•A TERM PAPER IS REQUIRED FOR CREDIT, DEPENDING UPON THE NATURE AND MAGNITUDE OF THIS PAPER THE CREDIT MAY BE 3 OR 5 HOURS.
•3 OR 5 HOURS, OR 1/2 OR 1 UNIT

05753	LECT-DISC	A	11	M W F	229	N H B	SHIMKIN, SARGENT AND OTHERS

COURSES FOR GRADUATES

PHYSL 401 PHYSIOLOGY OF SYSTEMS AND ORGANS.
PREREQUISITE--ONE YEAR OF COLLEGE-LEVEL PHYSICS, CHEMISTRY THROUGH ORGANIC, UPPER DIVISION COURSE IN PHYSIOLOGY, PHYSICAL CHEMISTRY AND BIOCHEMISTRY RECOMMENDED, KNOWLEDGE OF CALCULUS PRESUMED.
1 UNIT

05754	LECT-DISC		8	MTUWTH	140	BUR HALL	STAFF

PHYSL 403 CELLULAR AND MOLECULAR PHYSIOLOGY.
PREREQUISITE--ONE YEAR OF COLLEGE-LEVEL PHYSICS, CHEMISTRY INCLUDING PHYSICAL AND BIOCHEMISTRY, UPPER DIVISION COURSE IN PHYSIOLOGY, KNOWLEDGE OF CALCULUS PRESUMED.
1 UNIT

05755	LECT-DISC		1	TUWTHF	124	BUR HALL	STAFF

PHYSL 410 MAMMALIAN PHYSIOLOGY SEMINAR.
PREREQUISITE--PHYSL. 401 AND 402 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1/2 UNIT

05756	DISC	5	M W	140	BUR HALL	STAFF

PHYSL 412 ADVANCED ENDOCRINOLOGY.
SAME AS AN. S., D. S., AND ZOOL. 412.
PREREQUISITE--CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE 2 UNITS.
•1/2 UNIT
TOPIC--BIOSYNTHESIS OF HORMONES

05757	DISC	730-10PM	M	140	BUR HALL	GORSKI, NALBANDOV AND STOLPE

PHYSL 413 EXPERIMENTAL MAMMALIAN PHYSIOLOGY, I.
PREREQUISITE--PHYSL. 401 AND 402 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

05758	LAB	1-5	TU TH	523	BUR HALL	STEGGERDA
05759	LAB	9-11	S	523	BUR HALL	

PHYSL 421 GROSS HUMAN ANATOMY.
PREREQUISITE--ONE SEMESTER OF EMBRYOLOGY, CONSENT OF INSTRUCTOR.
1 UNIT

05760	LAB-DISC	1-4	M W F	413	BUR HALL	STOLPE

PHYSL 441 ADVANCED COMPARATIVE PHYSIOLOGY.
SAME AS ZOOL. 441.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT
TOPIC--PHYSIOLOGICAL ADAPTATION IN RELATION TO EVOLUTIONARY THEORY

05761	DISC	7-9PM	W	436	BUR HALL	PROSSER

PHYSL 470 HUMAN PATHOLOGIC PHYSIOLOGY.
PREREQUISITE--TWO SEMESTERS OF ADVANCED PHYSIOLOGY AND ONE SEMESTER OF BIOCHEMISTRY, CONSENT OF INSTRUCTOR.
3/4 UNIT

05762	LECT	3	M W F	140	BUR HALL	TEIGLER

PHYSL 491 INDIVIDUAL TOPICS.
PREREQUISITE--APPROVAL OF DEPARTMENT.
1/2 TO 2 UNITS

05763	CONF	ARR				STAFF

PHYSL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

05764	CONF	4	F	140	BUR HALL	STAFF

PLANT PATHOLOGY

DEPARTMENT OFFICE 218 M H

PL PA 204 INTRODUCTORY PLANT PATHOLOGY.
SAME AS AGRON. 204.
PREREQUISITE--BOT. 100, JUNIOR STANDING.
3 HOURS

05765	LAB-DISC	10-12	TU TH	W121	T H	BEVER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PL PA 300 SPECIAL PROBLEMS.
UNDERGRADUATE PREREQUISITE--MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.
•MAXIMUM CREDIT EIGHT HOURS OR TWO UNITS.
•2 TO 4 HOURS, OR 1/4 TO 1 UNIT

BEVER, BLACK, BRITTON, CARTER, CHAMBERLAIN, GERDEMANN GOTTLIEB, HOOKER, LINN, POWELL, SHAW, SHURTLEFF, TAYLOR, THORNBERRY

05766	CONF	ARR					

PL PA 301 PLANT PATHOLOGY.
SAME AS BOT. 301.
PREREQUISITE--ONE YEAR OF PLANT SCIENCE INCLUDING BOT. 100.
4 HOURS, OR 1 UNIT

05767	LECT	8	TU TH	408	N H B	
05767	LAB	9-11	TU TH	408	N H B	BLACK

PL PA 303 PLANT NEMATOLOGY.
PREREQUISITE--PL.PA. 204 OR 301, AND ZOOL. 101 OR 104, OR EQUIVALENT.
3 HOURS, OR 3/4 UNIT

05768	LAB-DISC	8-10	M W	W121	T H	TAYLOR

PL PA 304 FOREST TREE DISEASES AND WOOD DETERIORATION.
PREREQUISITE--JUNIOR STANDING IN FORESTRY OR OTHER PLANT SCIENCE.
3 HOURS, OR 1/2 UNIT

05769	LAB-DISC	10-12	M W	W121	T H	GERDEMANN

COURSES FOR GRADUATES

PL PA 404 PLANT VIROLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

05770	LECT	2-4	M	106F	H F L	THORNBERRY
05770	LAB	1-5	W	106F	H F L	

PL PA 417 DISCUSSIONS IN PLANT PATHOLOGY.
1/4 UNIT

05771	DISC	4	M	W209	T H	BRITTON

PL PA 499 THESIS RESEARCH.
PREREQUISITE--PL. PA. 301 AND 302 OR EQUIVALENT.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

BEVER, BLACK, CARTER, CHAMBERLAIN, GERDEMANN GOTTLIEB, HOOKER, LINN, POWELL, SHAW, TAYLOR, THORNBERRY

05772	CONF	ARR				

POLISH

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE POLISH 260 L H

POL 101 FIRST-YEAR POLISH, 1.
*STUDENTS DO NOT RECEIVE CREDIT TOWARD GRADUATION FOR POL. 101 WITHOUT POL. 102. STUDENTS MUST REGISTER FOR 1 HOUR OF WORK WEEKLY IN LANGUAGE LABORATORY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
05773 LECT-DISC D 11 MTUWTH 429 ARMORY GLADNEY

POL 102 SECOND-YEAR POLISH, 1.
PREREQUISITE--POL. 102.
STUDENTS MUST REGISTER FOR 1 HOUR OF WORK WEEKLY IN LANGUAGE LAB.
4 HOURS
05774 LECT-DISC E 1 MTUWTH 120 COM W GLADNEY

POLITICAL SCIENCE

DEPARTMENT OFFICE 325 L H

MAJOR--TWENTY HOURS FROM COURSES OFFERED BY THE DEPARTMENT OF POLITICAL SCIENCE. A MAJOR MAY INCLUDE THREE SEMESTER HOURS FROM THE FOLLOWING COURSES--ECONOMICS 170, 171--STATISTICS--, ECONOMICS 214--PUBLIC FINANCE--, HISTORY 345, 346, 369, 370--CONSTITUTIONAL HISTORY--, MATHEMATICS 161--STATISTICS--, PSYCHOLOGY 135--STATISTICS AND SOCIOLOGY 185--STATISTICS--. NO STUDENT ENTERING THE UNIVERSITY AFTER SEPTEMBER 1, 1961, MAY OFFER MORE THAN EIGHT HOURS OF 100 LEVEL COURSES AS PART OF A POLITICAL SCIENCE MAJOR.

MINOR--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, ECONOMICS, EDUCATION, FINANCE, GEOGRAPHY, HISTORY, LAW, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, PSYCHOLOGY, SOCIAL WORK, SOCIOLOGY, AND SPEECH. ONE OF THE CURRICULA IN LATIN-AMERICA STUDIES RUSSIAN LANGUAGE AND AREA STUDIES, OR MEDIEVAL CIVILIZATION IS ALSO ACCEPTED AS A SOLE MINOR.

POL. S. 150 AND 151 GIVE A GENERAL SURVEY OF NATIONAL, STATE, AND LOCAL GOVERNMENT IN THE UNITED STATES. POL. SCI. 191 AND 192 PRESENT A SURVEY OF THE BASIC CONCEPTS AND METHODS OF POLITICAL SCIENCE AND SIGNIFICANT CURRENT GOVERNMENTAL AND POLITICAL PROBLEMS AND POLICIES. UNDERGRADUATES BEGINNING THE STUDY OF POLITICAL STUDENTS PLANNING TO DO ADVANCED WORK SHOULD, DURING THE SOPHOMORE YEAR, TAKE EITHER POL. SCI. 150 OR 191 AND FOLLOW IT WITH SUCH OTHER COURSES AS WILL COMPLETE ONE OF THE FOLLOWING COMBINATIONS--150 AND 151, 150 AND 192, 150 AND 184, 191 AND 184, OR 191 AND 192.

COURSES FOR UNDERGRADUATES

POL S 110 GOVERNMENT IN ILLINOIS.
PREREQUISITE--SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH POL. S. 110 AND 312.
*2 HOURS
05775 LECT-DISC 3 M W 310 L H SNIDER

POL S 149 HONORS.
PREREQUISITE--CONCURRENT REGISTRATION IN THE HONORS SECTION OF POL. S. 150, CONSENT OF THE DEPARTMENT.
1 HOUR
05776 LECT-DISC & ARR

POL S 150 AMERICAN GOVERNMENT--ORGANIZATION AND POWERS.
PREREQUISITE--SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH POL. S. 150 AND 191.
*3 HOURS
*FOR JAMES SCHOLARS AND OTHER STUDENTS HAVING A GRADE AVERAGE OF 4.0 OR ABOVE.

05777	LECT-DISC	A	8	M	W	F	213	G H	
05778	LECT-DISC	B	9	M	W	F	114	D K H	
05781	LECT-DISC	*&C	10	M	W	F	300	L H	
05779	LECT-DISC	D	11	M	W	F	213	G H	
05780	LECT-DISC	E	1	M	W	F	114	D K H	

POL S 151 AMERICAN GOVERNMENT--FUNCTIONS.
PREREQUISITE--POL. S. 150 OR CONSENT OF DEPARTMENT.
*CREDIT IS NOT GIVEN FOR BOTH POL. S. 151 AND 192.
*3 HOURS

05782	LECT-DISC		8	M	W	F	300	L H	GARVEY

POL S 184 INTERNATIONAL RELATIONS.
4 HOURS

05783	LECT-DISC	9-11	TU TH	310	L H	

POL S 191 PRINCIPLES OF POLITICAL SCIENCE.
PREREQUISITE--SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH POL. S. 150 AND 191.
*4 HOURS

05784	LECT-DISC	F	2	M	W	F	310	L H	
		F	3			F	310	L H	
05785	LECT-DISC	P	8-10	TU TH			300	L H	
05786	LECT-DISC	R	10-12	TU TH			300	L H	
05787	LECT-DISC	S	2-4	TU TH			300	L H	

POL S 192 COMPARATIVE GOVERNMENTAL FUNCTIONS.
PREREQUISITE--POL. S. 150 OR 191.
4 HOURS

05788	LECT-DISC	2-4	TU TH	192	L H	

COURSES FOR ADVANCED UNDERGRADUATES

POL S 241 THE EMERGING NATIONS.
PREREQUISITE--THREE HOURS OF POLITICAL SCIENCE OR CONSENT OF INSTRUCTOR.
3 HOURS

05789	LECT-DISC		11	M	W	F	300	L H	

POL S 290 SENIOR SEMINAR.
PREREQUISITE--SENIOR STANDING, AT LEAST SIX HOURS OF POLITICAL SCIENCE, AND EITHER DESIGNATION AS JAMES SCHOLAR OR A GENERAL UNIVERSITY AVERAGE OF AT LEAST 4.0.
2 HOURS

05790	LECT-DISC	&	1-3	TU	398	L H

POL S 291 THESIS AND HONORS COURSE.
PREREQUISITE--OPEN ONLY TO SENIORS WHOSE MAJOR IS POLITICAL SCIENCE AND WHO HAVE A GENERAL UNIVERSITY AVERAGE OF AT LEAST 4.0.
2 TO 5 HOURS

05791	LECT-DISC	&	ARR	STAFF

POL S 293 SELECTED TOPICS IN POLITICAL SCIENCE.
2 TO 4 HOURS

05792	LECT-DISC		ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

POL S 305 MUNICIPAL GOVERNMENT.
3 HOURS, OR 1/2 OR 1 UNIT

05793	LECT-DISC	Q	9	TU TH			192	L H	KNEIER
		Q	11		TH		192	L H	KNEIER

POL S 310 RURAL LOCAL GOVERNMENT.
3 HOURS, OR 1/2 OR 1 UNIT

05794	LECT-DISC		1	M	W	F	310	L	H	SNIDER

POL S 321 GOVERNMENT AND THE ECONOMIC ORDER.
PREREQUISITE--ANY TWO COURSES IN POLITICAL SCIENCE OR A COMBINATION OF POLITICAL SCIENCE AND ECONOMICS.
3 HOURS, OR 1/2 OR 1 UNIT

05795	LECT-DISC	R	10-12		TU		192	L	H	
		R	10			TH	192	L	H	

POL S 326 AMERICAN POLITICAL PARTIES.
PREREQUISITE--POL. S. 150 OR 191 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

05796	LECT-DISC		1	M	W	F	192	L	H	JAMES

POL S 328 AN INTRODUCTION TO THE STUDY OF POLITICAL BEHAVIOR.
PREREQUISITE--POL. S. 150 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

05797	LECT-DISC		2	M	W	F	300	L	H	SULLIVAN

POL S 335 GOVERNMENT AND POLITICS OF THE SOVIET UNION.
3 HOURS, OR 1/2 OR 1 UNIT

05798	LECT-DISC		2	M	W	F	192	L	H	HOUGH

POL S 342 GOVERNMENT AND POLITICS IN LATIN AMERICA.
PREREQUISITE--SIX HOURS OF POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT

05799	LECT-DISC		1	M	W	F	300	L	H	SCOTT

POL S 345 THEORY AND PRACTICE OF DEMOCRATIC GOVERNMENT.
PREREQUISITE--POL. S. 150 OR 191.
3 HOURS, OR 1/2 OR 1 UNIT

05800	LECT-DISC		11	M	W	F	192	L	H	PRANGER

POL S 347 GOVERNMENTS AND POLITICS OF SOUTH AND SOUTHEAST ASIA.
3 HOURS, OR 1/2 OR 1 UNIT

05801	LECT-DISC		9	M	W	F	192	L	H	BUTWELL

POL S 348 GOVERNMENTS AND POLITICS OF EAST ASIA.
3 HOURS, OR 1/2 OR 1 UNIT

05802	LECT-DISC		10	M	W	F	310	L	H	STESLICKE

POL S 351 AMERICAN CONSTITUTIONAL SYSTEM.
PREREQUISITE--POL. S. 150 OR 191.
3 HOURS, OR 1/2 OR 1 UNIT

05803	LECT-DISC		10	M	W	F	192	L	H	

POL S 359 JURISPRUDENCE.
PREREQUISITE--POL. S. 150 OR 191.
3 HOURS, OR 1/2 OR 1 UNIT

05804	LECT-DISC		9	M	W	F	300	L	H	MANNER

POL S 361 INTRODUCTION TO PUBLIC ADMINISTRATION.
PREREQUISITE--POL. S. 150 OR 191.
3 HOURS, OR 1/2 OR 1 UNIT

05805	LECT-DISC		3	M	W	F	192	L	H	MONYPENNY

POL S 365 GOVERNMENT AND LABOR.
SAME AS L.I.R. 365.
PREREQUISITE--POL. S. 150 OR 191.
3 HOURS, OR 1/2 OR 1 UNIT

05806	LECT-DISC	S	2-4		TU		310	L	H	EDELMAN
		S	4			TH	310	L	H	EDELMAN

POL S 382 CONTEMPORARY AMERICAN FOREIGN POLICIES.
PREREQUISITE--POL. S. 381 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

05807	LECT-DISC		8	M	W	F	310	L	H	

POL S 385 INTERNATIONAL LAW.
PREREQUISITE--SENIOR STANDING, OR JUNIOR STANDING WITH SIX HOURS OF POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT

05808	LECT-DISC	11	M W F	310	L H		MANNER

POL S 393 HISTORY OF POLITICAL THEORY.
3 HOURS, OR 1/2 OR 1 UNIT

05809	LECT-DISC	9	M W F	310	L H		WILSON

COURSES FOR GRADUATES

POL S 401 HISTORY OF POLITICAL THEORIES.
1 UNIT

05810	LECT-DISC	730-930PM	TH	398	L H		WILSON

POL S 406 MUNICIPAL ADMINISTRATION.
1 UNIT

05811	LECT-DISC	2-4	M	398	L H		KNEIER

[illegible] POLITICAL THEORY.
SAME AS L.I.P. 420.
1 UNIT

[illegible]	LECT-DISC	9-11	TU	398	L H		HAGAN

POL S 425 PERSONALITY AND POLITICAL PROCESS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

05813	LECT-DISC	3-5	W	398	L H		EDELMAN

POL S 441 POLITICS IN THE DEVELOPING STATES.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

05814	LECT-DISC	1-3	TH	398	L H		SCOTT

POL S 481 FOREIGN RELATIONS OF THE UNITED STATES.
1 UNIT

05815	LECT-DISC	10-12	W	398	L H		

POL S 493 RESEARCH IN SELECTED TOPICS.
1 UNIT

05816	LECT-DISC	ARR					STAFF

POL S 495 SCOPE AND METHODS OF POLITICAL SCIENCE.
1 UNIT

05817	LECT-DISC	730-930PM	TU	398	L H		MONYPENNY

POL S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

05818	LECT-DISC	ARR		422	LIB		STAFF

PORTUGUESE

DEPARTMENT OFFICE 224 L H

COURSES FOR UNDERGRADUATES

PORT 101 ELEMENTARY PORTUGUESE, I.
•NO CREDIT TOWARD GRADUATION IS GIVEN FOR PORT. 101 WITHOUT PORT. 102.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL-
SECTION D AT 11 M AND SECTION E AT 1 F.

05819	LECT-DISC	D	11	TUWTHF	170	L H
05820	LECT-DISC	E	1	MTUWTH	108	L H

PORT 103 INTERMEDIATE PORTUGUESE, I.
PREREQUISITE--PORT. 102 OR TWO YEARS OF HIGH SCHOOL PORTUGUESE.
4 HOURS

05821	LECT-DISC	D	3	MTUWTH	108	L H

PORT 211 INTERMEDIATE COMPOSITION AND CONVERSATION.
PREREQUISITE--PORT. 104 OR CONSENT OF INSTRUCTOR.
3 HOURS

05822	LECT-DISC		11	M W F	176	L H

PORT 290 READINGS IN PORTUGUESE.
PREREQUISITE--PORT. 104 OR CONSENT OF INSTRUCTOR.
2 TO 4 HOURS

05823	CONF		ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PORT 304 CONTEMPORARY BRAZILIAN CIVILIZATION AND CULTURE SINCE 1822.
PREREQUISITE--SPAN. 104 OR PORT. 102 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

05824	LECT-DISC		9	M W F	230 L H	ALLEN

COURSES FOR GRADUATES

PORT 491 SPECIAL TOPICS IN PORTUGUESE.
1/2 OR 1 UNIT

05825	CONF	ARR	STAFF

PORT 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 1/2 UNITS

05826	CONF	ARR	ALLEN, KAHANE

PSYCHOLOGY

DEPARTMENT OFFICE 316 G H

MAJOR--TWENTY HOURS IN PSYCHOLOGY, EXCLUDING PSYCH. 100 AND 103, AND D.G.S. 171. TWO TYPES OF MAJOR PROGRAMS ARE OFFERED--THE GENERAL MAJOR, SUITABLE FOR STUDENTS INTERESTED PRIMARILY IN GENERAL LIBERAL EDUCATION, AND THE HONORS MAJOR, DESIGNED MAINLY TO PREPARE STUDENTS FOR GRADUATE STUDY IN PSYCHOLOGY.

GENERAL MAJOR--IN THIS PROGRAM THERE ARE NO PRESCRIBED COURSES.

HONORS MAJOR--THIS PROGRAM MUST INCLUDE PSYCHOLOGY 135, 290, AND TWO OF THE FOLLOWING COURSES--PSYCH. 330, 331, 345, 360, WITH THE CONSENT OF THE MAJOR ADVISOR, THE EQUIVALENT OF ANY OF THESE COURSES MAY BE SUBSTITUTED. THE HONORS MAJOR IS STRONGLY URGED TO TAKE--A - WORK IN H SECTIONS, WHEN AVAILABLE, AND IN ADVANCED COURSES IN PSYCHOLOGY, B - MATHEMATICS THROUGH CALCULUS, C - AT LEAST A FULL YEAR LABORATORY COURSE IN ANOTHER SCIENCE, D - AT LEAST TWO YEARS OF FRENCH, GERMAN, OR RUSSIAN, WITH TWO YEARS IN EACH OF TWO OF THESE BEING HIGHLY DESIRABLE.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, CHEMISTRY, ECONOMICS, EDUCATION, HISTORY, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, PHYSICS, PHYSIOLOGY, POLITICAL SCIENCE, SOCIAL WORK, SOCIOLOGY, SPEECH, AND ZOOLOGY.

DEPARTMENTAL DISTINCTION--THE MINIMUM REQUIREMENTS FOR GRADUATION WITH DEPARTMENTAL DISTINCTION IN PSYCHOLOGY ARE AS FOLLOWS--A - ELIGIBILITY FOR COLLEGE HONORS, B - SATISFACTORY COMPLETION OF THE COURSES REQUIRED IN THE HONORS MAJOR PROGRAM, C - FOUR HOURS OF CREDIT IN PSYCHOLOGY 291-292, INCLUDING AN ACCEPTABLE THESIS.

COURSES FOR UNDERGRADUATES

PSYCH 100 INTRODUCTION TO PSYCHOLOGY.
NOT OPEN TO STUDENTS ELECTING PSYCH. 103 OR D.G.S. 171.
REQUIRES FIVE HOURS OF PARTICIPATION IN LABORATORY EXPERIMENTS
4 HOURS
•STUDENTS IN LECT. A MUST ELECT A QUIZ SECTION A, IN LECT. B, A QUIZ SECTION B, ETC.
•SECTIONS &H AND &I ARE OFFERED IN THE SPECIAL INTEREST OF AND ARE LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.0 OR BETTER.

05827	LECT	A	8	M	W	F	100	G H		DULANY
[illegible]	QUIZ	A1	10	M			325	D K H		
05829	QUIZ	A2	11	M			325	D K H		
05830	QUIZ	A3	1	M			325	D K H		
[illegible]	QUIZ	A4	2	M			325	D K H		
[illegible]	QUIZ	A5	3	M			325	D K H		
[illegible]	QUIZ	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		
[illegible]	QUIZ	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		
05836	QUIZ	[illegible]	[illegible]	[illegible]			325	[illegible]		
[illegible]	QUIZ	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]		
[illegible]	[illegible]	A12	4	TH			325	D K H		
05840	LECT	B	10	M	W	F	100	G H		DULANY
05841	QUIZ	B1	1		W		325	D K H		
05842	QUIZ	B2	2		W		325	D K H		
05843	QUIZ	B3	3		W		325	D K H		
05844	QUIZ	B4	4		W		325	D K H		
[illegible]	QUIZ	B5	5			TH	325	D K H		
05846	QUIZ	B6	9			TH	325	D K H		
05847	QUIZ	B7	10			TH	325	D K H		
[illegible]	QUIZ	B8	11			TH	325	D K H		
[illegible]	QUIZ	B9	1			TH	325	D K H		
05850	QUIZ	B10	2			TH	325	D K H		
[illegible]	[illegible]	[illegible]	[illegible]			TH	325	D K H		
[illegible]	[illegible]	[illegible]	[illegible]			TH	325	D K H		

PSYCH100 CONTINUED

05853	LECT	C	1	M	W	F	100	G	H			DULANY
05854	QUIZ	C1	8		TU		328	D	K	H		
05855	QUIZ	C2	9		TU		328	D	K	H		
05856	QUIZ	C3	10		TU		328	D	K	H		
05857	QUIZ	C4	11		TU		328	D	K	H		
05858	QUIZ	C5	1		TU		328	D	K	H		
05859	QUIZ	C6	2		TU		328	D	K	H		
05860	QUIZ	C7	3		TU		328	D	K	H		
05861	QUIZ	C8	4		TU		328	D	K	H		
05862	QUIZ	C9	8		W		328	D	K	H		
05863	QUIZ	C10	9		W		328	D	K	H		
05864	QUIZ	C11	10		W		328	D	K	H		
05865	QUIZ	C12	11		W		328	D	K	H		
05866	LECT	D	2	M	W	F	100	G	H			DULANY
05867	QUIZ	D1	8		TH		328	D	K	H		
05868	QUIZ	D2	9		TH		328	D	K	H		
05869	QUIZ	D3	10		TH		328	D	K	H		
05870	QUIZ	D4	11		TH		328	D	K	H		
05871	QUIZ	D5	1		TH		328	D	K	H		
05872	QUIZ	D6	2		TH		328	D	K	H		
05873	QUIZ	D7	3		TH		328	D	K	H		
05874	QUIZ	D8	4		TH		328	D	K	H		
05875	QUIZ	D9	8			F	328	D	K	H		
05876	QUIZ	D10	9			F	328	D	K	H		
05877	QUIZ	D11	10			F	328	D	K	H		
05878	QUIZ	D12	11			F	328	D	K	H		
05879	LECT	E	8	M	W	F	103	M	H			DULANY
05880	QUIZ	E1	10	M			328	D	K	H		
05881	QUIZ	E2	11	M			328	D	K	H		
05882	QUIZ	E3	12	M			328	D	K	H		
05883	QUIZ	E4	1	M			328	D	K	H		
05884	QUIZ	E5	2	M			328	D	K	H		
05885	QUIZ	E6	3	M			328	D	K	H		
05886	QUIZ	E7	4	M			328	D	K	H		
05887	QUIZ	E8	10		TU		325	D	K	H		
05888	QUIZ	E9	11		TU		325	D	K	H		
05889	LECT	F	10	M	W	F	103	M	H			DULANY
05890	QUIZ	F1	12		W		328	D	K	H		
05891	QUIZ	F2	1		W		328	D	K	H		
05892	QUIZ	F3	2		W		328	D	K	H		
05893	QUIZ	F4	3		W		328	D	K	H		
05894	QUIZ	F5	4		W		328	D	K	H		
05895	QUIZ	F6	1			F	328	D	K	H		
05896	QUIZ	F7	2			F	328	D	K	H		
05897	QUIZ	F8	1			F	325	D	K	H		
05898	QUIZ	F9	2			F	325	D	K	H		
05899	LECT	G	2	M	W	F	103	M	H			DULANY
05900	QUIZ	G1	8		W		325	D	K	H		
05901	QUIZ	G2	9		W		325	D	K	H		
05902	QUIZ	G3	10		W		325	D	K	H		
05903	QUIZ	G4	11		W		325	D	K	H		
05904	QUIZ	G5	12		W		325	D	K	H		
05905	QUIZ	G6	8			F	325	D	K	H		
05906	QUIZ	G7	9			F	325	D	K	H		
05907	QUIZ	G8	10			F	325	D	K	H		
05908	QUIZ	G9	11			F	325	D	K	H		
05915	LECT	*GH	1	M	W	F	315	G	H			GRICE
05909	QUIZ	H1	8		TH		313	G	H			
05910	QUIZ	H2	9		TH		313	G	H			
05911	QUIZ	H3	10		TH		313	G	H			
05916	LECT	*GI	9	M	W	F	315	G	H			COHEN
05912	QUIZ	I1	1		W		313	G	H			
05913	QUIZ	I2	2		W		313	G	H			
05914	QUIZ	I3	3		W		313	G	H			

PSYCH 101 HUMAN NATURE AND SOCIAL RELATIONS.
PREREQUISITE--PSYCH. 100 OR 103.
•CREDIT IS NOT GIVEN IN BOTH PSYCH. 101 AND 255.
•4 HOURS

05917	LECT	A	11	M W F	100	G H			MCGRATH
05918	QUIZ	A1	1	M	313	G H			
05919	QUIZ	A2	2	M	313	G H			
05920	QUIZ	A3	3	M	313	G H			
05921	QUIZ	A4	4	TU	313	G H			
05922	QUIZ	A5	5	TU	313	G H			
05923	QUIZ	A6	10	TU	313	G H			
05924	QUIZ	A7	1	TU	313	G H			
05925	QUIZ	A8	2	TU	313	G H			
05926	QUIZ	A9	3	TU	313	G H			
05927	LECT	B	10-1120	TU TH	100	G H			
05928	QUIZ	B1	1	TH	313	G H			
05929	QUIZ	B2	2	TH	313	G H			
05930	QUIZ	B3	3	TH	313	G H			
05931	QUIZ	B4	4	TH	313	G H			
05932	QUIZ	B5	1	F	313	G H			
05933	QUIZ	B6	2	F	313	G H			

PSYCH 103 HUMAN BEHAVIOR.
NOT OPEN TO STUDENTS ELECTING PSYCH. 100 OR C.G.S. 171.
4 HOURS

05934	LECT		8	TU TH	100	G H			
05935	LAB	1	8-10	M W	446	G H			
05936	LAB	2	10-12	M W	446	G H			
05937	LAB	3	1-3	M W	446	G H			
05938	LAB	4	3-5	M W	446	G H			
05939	LAB	5	7-9PM	M W	446	G H			
05940	LAB	6	9-11	TU TH	446	G H			
05941	LAB	7	11-1	TU TH	446	G H			
05942	LAB	8	1-3	TU TH	446	G H			
05943	LAB	9	3-5	TU TH	446	G H			
05944	LAB	10	7-9PM	TU TH	446	G H			
05945	LAB	11	8-10	FS	446	G H			
05946	LAB	12	10-12	FS	446	G H			

PSYCH 135 STATISTICAL METHODS IN PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103.
•CREDIT IS NOT GIVEN FOR PSYCH 135 IN ADDITION TO ECON. 170 OR 171 OR MATH. 161.
•3 HOURS

05947	LECT	A	8	M W F	317	G H			HUMPHREYS
05948	LECT	B	2	M W F	317	G H			
05949	LECT	C	8-10	TU TH	307	G H			
05950	LECT	D	1-3	TU TH	307	G H			

PSYCH 145 PSYCHOLOGY IN BUSINESS AND INDUSTRY.
PREREQUISITE--PSYCH. 100 OR 103, OR CONSENT OF INSTRUCTOR.
•CREDIT IS NOT GIVEN FOR BOTH PSYCH. 145 AND PSYCH. 245.
•3 HOURS

05951	LECT		1	M W F	319	G H			MEALEY

PSYCH 150 PERSONALITY AND ADJUSTMENT.
PREREQUISITE--PSYCH. 100 OR 103.
•CREDIT IS NOT GIVEN FOR BOTH PSYCH. 150 AND 250.
•3 HOURS

05952	LECT		1	M W F	319	G H			GORE

COURSES FOR ADVANCED UNDERGRADUATES

[illegible] CHILD PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103.
3 HOURS
•SECTION 6H IS [illegible]
JAMES SCHOLARS. [illegible]
POINT AVERAGE IS 4.[illegible] OR BETTER.
[illegible]

PSYCH 217 DEVELOPMENTAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103, A COURSE IN ZOOLOGY OR PHYSIOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS

05957	LECT	A	8	M W F	313	G H			MCALLISTER
05958	LECT	B	10	M W F	315	G H			ATE

PSYCH 245 INDUSTRIAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103 AND A COURSE IN STATISTICS.
•CREDIT IS NOT GIVEN FOR BOTH PSYCH. 145 AND 245.
•3 HOURS

05959	LECT		10	M W F	317	G H			HULIN

PSYCH 250 PSYCHOLOGY OF PERSONALITY.
PREREQUISITE--PSYCH. 100 OR 103.
•CREDIT IS NOT GIVEN FOR BOTH PSYCH. 150 AND 250.
•3 HOURS
•SECTION &H IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO JAMES SCHOLARS HONORS CANDIDATES, AND STUDENTS WHOSE GRADE POINT AVERAGE IS 4.0 OR BETTER.

05960	LECT	A	9	M W F	319	G H			W BECKER
05961	LECT	B	2	M W F	319	G H			
05962	LECT	C	10-1120	TU TH	319	G H			
05963	LECT	•&H	9	M W F	313	G H			

PSYCH 255 SOCIAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103.
•CREDIT IS NOT GIVEN FOR BOTH PSYCH. 101 AND 255.
•3 HOURS
•SECTION &H IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.0 OR BETTER.

05964	LECT	A	11	M W F	317	G H			
05965	LECT	B	1	M W F	317	G H			
05966	LECT	C	8-920	TU TH	317	G H			
05967	LECT	•&H	10	M W F	313	G H			

PSYCH 256 PSYCHOLOGY OF ATTITUDE AND OPINION.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY.
3 HOURS

05968	LECT	A	9	M W F	317	G H			
05969	LECT	B	2-320	TU TH	317	G H			FISHBEIN

PSYCH 290 INTRODUCTION TO PSYCHOLOGICAL TESTS AND MEASUREMENT.
PREREQUISITE--PSYCH. 100 OR 103, AND A COURSE IN STATISTICS.
3 HOURS

05970	LECT		1	TU TH	317	G H			WIGGINS
05971	LAB	1	1-3	M W	443	G H			
05972	LAB	2	3-5	M W	443	G H			
05973	LAB	3	10-12	TU TH	443	G H			
05974	LAB	4	3-5	TU TH	443	G H			

PSYCH 291 HONORS.
PREREQUISITE--SENIOR STANDING, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS

05975	LECT	A	3-420	TU TH	445	G H			L TRIANDIS

PSYCH 293 INDIVIDUAL TOPICS.
PREREQUISITE--TEN HOURS OF PSYCHOLOGY, A GRADE-POINT AVERAGE OF 4.0, AND WRITTEN CONSENT OF THE INSTRUCTOR--IN EXCEPTIONAL CASES, UPON RECOMMENDATION OF THE INSTRUCTOR AND APPROVAL OF THE HEAD OF THE DEPARTMENT, STUDENTS MAY BE ADMITTED WITH A GRADE-POINT AVERAGE OF 3.75.
2 TO 4 HOURS

05976	LECT	A	ARR						STAFF

PSYCH 306 QUANTITATIVE METHODS, I.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING PSYCH. 135 OR EQUIVALENT.
4 HOURS, OR 1 UNIT

05977	LECT	A	10-12	M W	307	G H		FRANKMANN
05978	LECT	B	10-12	TU TH	307	G H		FRANKMANN
05979	LAB	1	1-3	TU	443	G H		
05980	LAB	2	1-3	TH	443	G H		
05981	LAB	3	8-10	F	443	G H		
05982	LAB	4	10-12	F	443	G H		
05983	LAB	5	1-3	F	443	G H		

PSYCH 311 PHYSIOLOGICAL PSYCHOLOGY.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY, AND PHYSL. 103 OR 106, OR ZOOL. 101.
3 HOURS, OR 1/2 OR 1 UNIT

05984	LECT		10-1120	TU TH	315	G H		JACOBS

PSYCH 326 MOTIVATION AND EMOTION.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT

05985	LECT	A	8-920	TU TH	319	G H		OKELLY
05986	LECT	B	7-420	M W	315	G H		

PSYCH 330 EXPERIMENTAL PSYCHOLOGY, I.
PREREQUISITE--PSYCH. 100 OR 103, AND A COURSE IN STATISTICS.
4 HOURS, OR 1/2 UNIT

05987	LECT		11	TU TH	313	G H		HAKE
05988	LAB	1	1-3	M W	446	G H		
05989	LAB	2	3-5	M W	446	G H		
05990	LAB	3	1-3	TU TH	446	G H		
05991	LAB	4	3-5	TU TH	446	G H		

PSYCH 332 RESEARCH METHODS IN SOCIAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 255 AND A COURSE IN STATISTICS.
4 HOURS, OR 1/2 OR 1 UNIT

05992	LECT		1	TU TH	315	G H		FISHBEIN
05993	LAB	1	8-10	TU TH	446	G H		
05994	LAB	2	10-12	TU TH	446	G H		

PSYCH 335 MATHEMATICAL FORMULATIONS IN PSYCHOLOGICAL THEORY.
PREREQUISITE--ELEMENTARY STATISTICS OR PROBABILITY, ELEMENTARY CALCULUS, AND SIX HOURS OF PSYCHOLOGY, OR PERMISSION OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

05995	LECT		2	M W F	315	G H		FRANKMANN

PSYCH 338 ABNORMAL PSYCHOLOGY.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY, JUNIOR STANDING EXCEPT FOR THOSE IN THE PREMEDICAL CURRICULUM WHO MAY TAKE THE COURSE AS SECOND SEMESTER SOPHOMORES WITH FOUR HOURS OF PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT
•SECTION &H IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.0 OR BETTER.

05996	LECT	A	1-220	TU TH	100	G H		ULLMANN
05997	LECT	B	11	M W F	319	G H		WAGMAN
05998	LECT	•&H	8	M W F	315	G H		EISEN

PSYCH 345 COMPARATIVE PSYCHOLOGY.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY, OR PSYCH. 100 OR 103, AND A COURSE IN ZOOLOGY.
4 HOURS, OR 1/2 OR 1 UNIT

05999	LECT		11	M W F	315	G H		MCALLISTER
05999	LAB		ARR					

PSYCH 346 BEHAVIOR GENETICS.
PREREQUISITE--PSYCH. 100 OR 103 AND A COURSE IN STATISTICS.
4 HOURS, OR 1/2 OR 1 UNIT

06000	LECT		2-320	TU TH	315	G H		HIRSCH
06000	LAB		330-5	TU TH	409	G H		

PSYCH 348 THE PSYCHOLOGY OF LEARNING.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT
06001 LECT 10-1120 TU TH 317 G H

PSYCH 357 PSYCHOLOGY OF INDUSTRIAL CONFLICT.
SAME AS L.I.R. 357.
PREREQUISITE--PSYCH. 100 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT
06002 LECT 3-420 TU TH 307 G H NEALEY

PSYCH 358 HUMAN PERFORMANCE IN MAN-MACHINE SYSTEMS.
PREREQUISITE--PSYCH. 100 OR 103, AND ONE COURSE IN STATISTICS OR COLLEGE MATHEMATICS.
FIELD TRIPS.
3 HOURS, OR 1/2 OR 1 UNIT
06003 LECT 8-920 TU TH 315 G H ADAMS

PSYCH 360 MODERN VIEWPOINTS IN PSYCHOLOGY.
PREREQUISITE--SENIOR STANDING, 9 HOURS OF PSYCHOLOGY WITH AN AVERAGE GRADE OF B, WITH CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06004 LECT 9 M W F 307 G H MONTAGUE

PSYCH 373 HUMAN DEVELOPMENT IN CROSS-CULTURAL PERSPECTIVE.
SAME AS ANTH. 373.
PREREQUISITE--SIX HOURS OF ANTHROPOLOGY, SOCIOLOGY OR PSYCHOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06005 LECT 3-420 M W 317 G H L TRIANDIS

COURSES FOR GRADUATES

NOTE--THE PREREQUISITES STATED APPLY TO GRADUATE MAJORS IN PSYCHOLOGY. STUDENTS MINORING IN PSYCHOLOGY MAY, BY SPECIAL PERMISSION OF INSTRUCTORS, ENROLL IN CERTAIN OF THESE COURSES WITHOUT HAVING MET ALL OF THE PREREQUISITES.

PSYCH 403 PROSEMINAR IN GENERAL PSYCHOLOGY, I.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT
06006 LECT 3-5 TUWTH 319 G H PETERSON

PSYCH 415 EXPERIMENTAL SENSORY PSYCHOLOGY.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING A LABORATORY COURSE IN EXPERIMENTAL PSYCHOLOGY.
1 UNIT
06007 LECT 10-12 F 445 G H
06007 LAB ARR

PSYCH 417 EXPERIMENTAL PSYCHOLOGY OF LEARNING, I--BASIC PROCESSES.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT
06008 LECT 1-3 W 445 G H GRICE
06008 LAB ARR

PSYCH 421 PROBLEMS IN MOTIVATION.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT
06009 LECT 1-5 TH 129 N RACE OKELLY

PSYCH 425 PSYCHOLINGUISTICS.
SAME AS COMM. AND LING. 425.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
06010 LECT 11-1 TH 445 G H MIRON

PSYCH 427 ENGINEERING PSYCHOLOGY.
PREREQUISITE--A LABORATORY COURSE IN EXPERIMENTAL PSYCHOLOGY OR THE EQUIVALENT.
1 UNIT
06011 LECT 1-3 TU 445 G H HAKE

PSYCH 428 HIGHER PROCESSES.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING A LABORATORY COURSE IN EXPERIMENTAL PSYCHOLOGY.
1 UNIT

06012	LECT	1-3	M	445	G	H	DULANY

PSYCH 431 PSYCHOLOGICAL MEASUREMENT IN INDUSTRY.
PREREQUISITE--PSYCH. 307 OR EQUIVALENT.
1 UNIT

06013	LECT	1-3	F	445	G	H	HULIN

PSYCH 441 PERSONALITY AND BEHAVIOR DYNAMICS.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1/2 UNIT

06014	LECT	3-5	M	307	G	H	WIGGINS

PSYCH 442 BEHAVIOR DISORDERS.
PREREQUISITE--PSYCH. 338 AND CONSENT OF INSTRUCTOR.
1/2 UNIT

06015	LECT	1-3	F	307	G	H	J BECKER

PSYCH 443 PSYCHODIAGNOSTICS, I.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING PSYCH. 290 OR EQUIVALENT.
1 UNIT

06016	LECT	8-10	TU	445	G	H	W BECKER AND
06017	LECT	10-12	TU	PSYCH CLINIC			SHANNON

PSYCH 445 BEHAVIOR MODIFICATION.
PREREQUISITE--PSYCH. 444, WITH ENROLLMENT IN PSYCH. 447 RECOMMENDED.
1/2 UNIT

[illegible]	LECT	1-5	[illegible]	PSYCH CLINIC			J BECKER

PSYCH 447 PRACTICUM.
PREREQUISITE--CREDIT OR REGISTRATION IN PSYCH. 445 AND 446.
*STUDENTS MAY ACCUMULATE 1 UNIT.
*1/2 UNIT

06019	LAB	ARR		PSYCH CLINIC			SHANNON, GORE

PSYCH 451 ADVANCED SOCIAL PSYCHOLOGY.
SAME AS COMM. 451.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING PSYCH. 255 OR EQUIVALENT.
1 UNIT

06020	LECT	10-12	F	307	G	H	MCGRATH

PSYCH 459 LEADERSHIP AND GROUP EFFECTIVENESS.
PREREQUISITE--PSYCH. 451 OR EQUIVALENT.
1 UNIT

06021	LECT	3-5	M	445	G	H	FIEDLER

PSYCH 461 DEVELOPMENTAL PSYCHOLOGY.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY OR CONSENT OF INSTRUCTOR.
1 UNIT

06022	LECT	1-3	W	307	G	H	MUNSINGER

PSYCH 467 PERSONALITY ASSESSMENT.
PREREQUISITE--PSYCH. 307 OR EQUIVALENT.
1 UNIT

06023	LECT	1-3	TH	445	G	H	WIGGINS

PSYCH 485 THE SAMPLING OF HUMAN POPULATIONS AND SOCIAL ORGANIZATIONS.
SAME AS SOC. 485.
PREREQUISITE--SOC. 387 OR ECON. 371, OR CONSENT OF INSTRUCTOR.
1 UNIT

06024	LECT	3-420	TU TH	308	L	H	LAZERWITZ

PSYCH 490 INDIVIDUAL RESEARCH.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS

06025	CONF		ARR					STAFF

PSYCH 493 SEMINAR.
PREREQUISITE--SIX UNITS OF GRADUATE CREDIT IN PSYCHOLOGY--CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

06026	CONF		ARR					STAFF

PSYCH 494 MULTIVARIATE ANALYSIS IN PSYCHOLOGY AND EDUCATION.
SAME AS ED. PSY. AND SOC. 494.
PREREQUISITE--PSYCH. 307 OR ED. PSY. 496, CONSENT OF INSTRUCTOR.
1 UNIT

06027	LECT		3-5	W	307	G H		TUCKER

PSYCH 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION A IS FOR M.A. THESIS, SECTION B IS FOR PH. D. THESIS.

06028	CONF		ARR					STAFF

RADIO AND TELEVISION

DEPARTMENT OFFICE 44 G H

COURSES FOR ADVANCED UNDERGRADUATES

R TV 252 TELEVISION LABORATORY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS
*LAB A FOR RADIO-TV MAJORS ONLY.

06029	LECT		8	M	113	G H		
06031	LAB	*A	8-10	W F	B TV BLDG			
06030	LAB	J	8-10	TU TH	B TV BLDG			

R TV 261 PRINCIPLES OF RADIO AND TELEVISION BROADCASTING.
2 HOURS

06032	LECT-DISC	L	10	TU TH	43	G H		REGNELL
06033	LECT-DISC	N	1	TU TH	43	G H		SKORNIA

R TV 264 RADIO AND TELEVISION PERFORMANCE.
SAME AS SPCH. 264.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS

06034	LAB	L	10-12	TU	233	G H		
		L	10-12	TH	TV BLDG			
06035	LAB	C	10-12	W	233	G H		
		C	10-12	F	TV BLDG			

R TV 266 BROADCAST CONTINUITY WRITING.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS

06036	LECT-DISC		1	M W F	225	G H		LIPPOLD

R TV 291 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

06037	CONF	&	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

R TV 354 TELEVISION DIRECTING.
PREREQUISITE--R TV 252, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06038	LECT		9	M	225 G H		CORDIER
06038	LAB		8-10	W F	A TV BLDG		CORDIER

R TV 355 TELEVISION NEWS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06039	LECT		10	M	225 G H		LIPPOLD
06039	LAB		10-12	W F	225 G H		LIPPOLD

R TV 356 CINEMATOGRAPHY FOR TELEVISION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06040	LECT		1	TU TH	606 1/2 E GREEN		SIMS
06041	LAB	B	2-5	TH	606 1/2 E GREEN		SIMS

R TV 362 RADIO AND TELEVISION STATION MANAGEMENT.
PREREQUISITE--R TV 261, SENIOR STANDING.
2 HOURS, OR 1/2 UNIT

06042	LECT-DISC	L	10	TU TH	223 G H		SCHOLEY

R TV 365 RADIO NEWS.
PREREQUISITE--JOURN. 211.
3 HOURS, OR 1/2 UNIT

06043	LECT		2	M	225 G H		CRAMER
06043	LAB		2-4	W F	225 G H		CRAMER

R TV 366 ADVANCED RADIO AND TELEVISION PRACTICES, I.
PREREQUISITE--ALL COURSES IN AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

06044	CONF		ARR				STAFF

R TV 367 ADVANCED RADIO AND TELEVISION PRACTICES, II.
PREREQUISITE--ALL COURSES IN AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

06045	CONF		ARR				STAFF

COURSES FOR GRADUATES

R TV 450 SPECIAL PROBLEMS IN TELEVISION.
PREREQUISITE--A TELEVISION COURSE IN THE AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 4 UNITS
*1 OR 2 UNITS

06046	CONF		ARR				STAFF

R TV 462 SEMINAR IN RADIO AND TELEVISION.
SAME AS COMM. 462.
1 UNIT

06047	LECT-DISC		3-5	M	123 G H		SKORNIA

R TV 490 SPECIAL TOPICS IN RADIO AND TELEVISION.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1/2 OR 1 UNIT

06048	CONF		ARR				STAFF

R TV 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN RADIO AND TELEVISION.
1 OR 2 UNITS

06049	CONF		ARR				STAFF

RECREATION AND MUNICIPAL PARK ADMINISTRATION

DEPARTMENT OFFICE 103 HUFF GYM

COURSES FOR UNDERGRADUATES

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REC   166     ACTIVITIES LEADERSHIP.
        2 HOURS
      06050     LECT-DISC  D       12-2        M          207  W GYM          PARKER
                           D       11-1245        W      411 W CLARK          PARKER
                           D        1             W       207  W GYM          PARKER
      06051     LECT-DISC  E       12-2           W       207  W GYM          STAFF
                           E       11-1245           F  411 W CLARK          STAFF
                           E        1                F   207  W GYM          STAFF

REC   [illegible]     OUTDOOR RECREATIONAL SPORTS.
        2 HOURS
        NOTE--FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY, HUFF GYM.
      06056     LAB        F        1-3        MTUWTHF   ARR                   GARRET

REC   171     INDOOR RECREATIONAL SPORTS.
        2 HOURS
        NOTE--FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY, HUFF GYM.
      06057     LAB        F        1-3        MTUWTHF   ARR                   GARRET

REC   174     CAMP COUNSELING.
        3 HOURS
        *INCLUDES FIVE PRACTICAL CAMPING SESSIONS WITH BOYS AND GIRLS, 8.30
        A.M. TO 12.00 NOON SATURDAYS, OCT. AND NOV.
      06059     LECT-DISC *A       8          M  W  F   207  H G              WEAVER
      06058     LECT-DISC  C      10          M  W  F   211  H G              WEAVER

REC   176     PRINCIPLES OF RECREATION.
        3 HOURS
        *RECREATION MAJORS ONLY.
      06061     LECT-DISC *B       9          M  W  F   211  H G              FRYE
      06060     LECT-DISC  D      11          M  W  F   211  H G              FRYE
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COURSES FOR ADVANCED UNDERGRADUATES

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REC   208     FIELD EXPERIENCE.
        PREREQUISITE--ONE YEAR OF WORK IN THE RECREATION CURRICULUM OR
        CONSENT OF INSTRUCTOR.
        NO CREDIT
      06062     LECT-DISC        ARR                                          PARKER, FRYE

REC   209     FIELD EXPERIENCE.
        PREREQUISITE--ONE YEAR OF WORK IN THE RECREATION CURRICULUM OR
        CONSENT OF INSTRUCTOR.
        NO CREDIT
      06063     LECT-DISC        ARR                                          PARKER, FRYE

REC   210     INSPECTION TRIP.
        PREREQUISITE--MAJOR OR MINOR IN RECREATION.
        NO CREDIT
      06064     LECT-DISC        ARR                                          GARRET, PARK

REC   270     SOCIAL RECREATION ACTIVITIES.
        2 HOURS
      06065     LECT              11          TU TH     211  H G              PARKER
      06065     LAB                7-9PM      TU        218  E B              PARKER
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REC 273 RECREATION IN RURAL AREAS.
SAME AS AG. EC. 273.
PREREQUISITE--REC. 176 OR SOC. 100, OR R.SOC. 117.
FIELD TRIPS, ESTIMATED EXPENSE $5.
2 HOURS
06066 LECT-DISC J 4 TU TH 316S M H STAFF

REC 274 INTRODUCTION TO OUTDOOR EDUCATION AND RECREATION.
PREREQUISITE--REC. 176 OR CONSENT OF INSTRUCTOR.
3 HOURS
06067 LECT-DISC R 3-5 TU TH 211 H G WEAVER

REC 277 COLLEGE UNION ADMINISTRATION.
PREREQUISITE--SENIOR STANDING. OPEN TO RECREATION MAJORS AND STUDENTS WITH EXPERIENCE IN STUDENT UNION WORK OR RELATED ACTIVITIES, OR CONSENT OF INSTRUCTOR.
3 HOURS
06068 LECT-DISC 2 M W F 292 I U REED

REC 278 RECREATION FIELD WORK.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS
06069 CONF ARR STAFF

REC 279 RECREATION FIELD WORK.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS
06070 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

REC 375 ORGANIZATION OF RECREATION PROGRAMS.
PREREQUISITE--REC. 176 AND ADVANCED UNDERGRADUATE STANDING.
3 HOURS, OR 1/2 UNIT
06071 LECT-DISC C 10 M W F 207A H G SAPORA

REC 385 PARK MANAGEMENT.
PRERLQUISITE--OPEN TO SENIOR RECREATION MAJORS OR CONSENT OF INSTRUCTOR. THE FOLLOWING RECREATION COURSES, OR EQUIVALENT MUST BE COMPLETED--L.A. 235, C.P. 372, PCL. S. 305. REC. 278 AND 279.
3 HOURS, OR 1/2 UNIT
06072 LECT-DISC 9-12 S 209 H G OWENS

COURSES FOR GRADUATES

REC 401 FOUNDATIONS OF RECREATION.
PREREQUISITE--REC. 176 OR EQUIVALENT.
1 UNIT
06073 LECT-DISC N 10-12 TU 207A H G BRIGHTBILL

REC 403 EVALUATION OF RECREATION RESOURCES AND PROGRAMS.
PREREQUISITE--REC. 176 OR 375 OR EQUIVALENT, COURSE IN TESTS AND MEASUREMENTS OR STATISTICS.
1 UNIT
06074 LECT-DISC N 3-5 W 207A H G SAPORA

REC 493 SPECIAL PROJECTS.
PREREQUISITE--REC. 403 OR EQUIVALENT, RECREATION MAJOR.
1/2 TO 2 UNITS, SUMMER--1/2 OR 1 UNIT
06075 CONF ARR STAFF

REC 499 THESIS RESEARCH.
1/2 TO 2 UNITS
06076 CONF ARR STAFF

RHETORIC

INCLUDING RHETORIC AND COMPOSITION, ENGLISH
FOR FOREIGN STUDENTS, AND BUSINESS ENGLISH

RHETORIC AND COMPOSITION
DEPARTMENT OFFICE 100 E B

MAJOR--TWENTY HOURS IN ENGLISH EXCLUDING RHET. 101, 102, 107, 108, 151, 200, 271, 272, ENGL. 101, 102, 103, 105, 106, 113, 114, 121, 122, 123, 304, AND INCLUDING TEN HOURS OF ENGLISH OR AMERICAN LITERATURE, AT LEAST SIX OF WHICH MUST BE CHOSEN FROM THE ADVANCED GROUPS, AND TEN HOURS IN COMPOSITION CHOSEN FROM RHET. 143, 144, 205 206, 227, 246, 255, 256, 263, 330, AND INCLUDING AT LEAST ONE COURSE IN EXPOSITORY WRITING. WITH THE PERMISSION OF THE ADVISER, ONE OF THE FOLLOWING COURSES MAY BE COUNTED TOWARD A COMPOSITION MAJOR--SPEECH 363, JOURN. 266, 326.
STUDENTS WHO PLAN TO ENTER GRADUATE COLLEGE MUST SATISFY THE REQUIREMENTS OF FOURTEEN HOURS OF COURSES IN ENGLISH AND AMERICAN LITERATURE.

MINOR--AN APPROVED SEQUENCE OF TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN THE LESSER OF TWO IF TWO ARE CHOSEN--ANTHROPOLOGY, ANY FOREIGN LANGUAGE, HISTORY, HUMANITIES, LAW, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND SPEECH--OR AN APPROVED SEQUENCE IN HISTORY OF ARCHITECTURE, HISTORY OF ART, OR MUSIC--NOT INCLUDING APPLIED MUSIC--COMBINED WITH ANY ONE OF THE ABOVE SUBJECTS. WITH THE WRITTEN APPROVAL OF THE HEAD OF THE DEPARTMENT, OTHER SUBJECTS MAY BE SUBSTITUTED. NO LANGUAGE COURSES WILL SATISFY MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJOR OF THEIR DEPARTMENT EXCEPT FRENCH 103, LATIN 101, 102, 103, PORTUGUESE 103, 104, AND SPANISH 103. FOREIGN LANGUAGE DEPARTMENT COURSES PRESENTING FOREIGN LITERATURE IN TRANSLATION ARE ALSO EXCLUDED. STUDENTS INTENDING TO DO GRADUATE WORK SHOULD CONSULT THE LANGUAGE REQUIREMENTS OF THE GRADUATE COLLEGE AND THE ENGLISH DEPARTMENT WHEN THEY PLAN THEIR MINOR PROGRAMS.

DEPARTMENTAL DISTINCTION--A STUDENT MAJORING IN RHETORIC AND COMPOSITION WHO MEETS THE UNIVERSITY GRADE-POINT REQUIREMENT--4.0 OR HIGHER--MAY EARN DISTINCTION ONLY BY OFFERING SIX HOURS OF WORK IN ADDITION TO THE MINIMUM NUMBER OF HOURS REQUIRED FOR THE MAJOR. THIS ADDITIONAL CREDIT MUST INVOLVE A SIGNIFICANT WRITING PROJECT IN RHET. 255 AND THE COMPLETION OF EITHER ENGL. 297 OR ENGL. 298. THE LEVEL OF DISTINCTION--DISTINCTION, HIGH DISTINCTION, HIGHEST DISTINCTION--IS DETERMINED BY THE INSTRUCTORS IN CHARGE OF THESE COURSES AND THE HONORS COMMITTEE. TO RECEIVE HIGH DISTINCTION, HOWEVER, A STUDENT MUST HAVE A MINIMUM GRADE-POINT AVERAGE OF 4.5 IN ALL COURSES THAT COUNT TOWARD HIS MAJOR, TO RECEIVE HIGHEST DISTINCTION, HIS AVERAGE IN THESE COURSES MUST BE AT LEAST 4.75. IF IN THE OPINION OF HIS INSTRUCTORS AND THE COMMITTEE, A CANDIDATE HAS NOT EARNED DISTINCTION, HE MAY STILL RECEIVE CREDIT FOR THE COURSE.

RHET 101 FRESHMAN RHETORIC AND COMPOSITION.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
•3 HOURS

06077	LECT-DISC	A1	8	M	W	F	349	ARMORY		BUTTERFIELD
06078	LECT-DISC	A2	8	M	W	F	210	C A		FOWLER
06079	LECT-DISC	A3	8	M	W	F	110	E B		
06080	LECT-DISC	A4	8	M	W	F	201	E B		POTEET
06081	LECT-DISC	A5	8	M	W	F	327	G H		W SLIGHTS
06082	LECT-DISC	A6	8	M	W	F	194	L H		
06083	LECT-DISC	A7	8	M	W	F	196	L H		
06084	LECT-DISC	A8	8	M	W	F	240	L H		
06085	LECT-DISC	A9	8	M	W	F	216	M E L		
06086	LECT-DISC	A10	8	M	W	F	103	N L		
06087	LECT-DISC	A11	8	M	W	F	128	W GYM		BLANKENSTEIN
06088	LECT-DISC	A12	8	M	W	F	115	E C		
06089	LECT-DISC	A13	8	M	W	F	64	M E B		FOYS
06090	LECT-DISC	A14	8	M	W	F	138	M E B		
06091	LECT-DISC	A15	8	M	W	F	147	ARMORY		
06092	LECT-DISC	A16	8	M	W	F	435	N H B		
06093	LECT-DISC	A17	8	M	W	F	204	N L		
06094	LECT-DISC	A18	8	M	W	F	156	M E B		
06095	LECT-DISC	A19	8	M	W	F	238	M E B		
06096	LECT-DISC	A20	8	M	W	F	108	SURV BLDG		
06097	LECT-DISC	A21	8	M	W	F	PAR			
06098	LECT-DISC	A22	8	M	W	F	PAR			
06099	LECT-DISC	B1	9	M	W	F	349	ARMORY		GARVIN
06100	LECT-DISC	B2	9	M	W	F	108	SURV BLDG		EHRET
06101	LECT-DISC	B3	9	M	W	F	216	M E L		W TANKSLEY
06102	LECT-DISC	B4	9	M	W	F	19S	N L		HAGGERTY
06103	LECT-DISC	B5	9	M	W	F	103	N L		MCGUGAN
06104	LECT-DISC	B6	9	M	W	F	137	ADMIN		HALEY
06105	LECT-DISC	B7	9	M	W	F	303	N L		MANN
06106	LECT-DISC	B8	9	M	W	F	128	W GYM		BLANKENSTEIN
06107	LECT-DISC	B9	9	M	W	F	64	M E B		MCBRIDE
06108	LECT-DISC	B10	9	M	W	F	138	M E B		FOYS
06109	LECT-DISC	B11	9	M	W	F	435	N H B		
06110	LECT-DISC	B12	9	M	W	F	156	M E B		
06111	LECT-DISC	B13	9	M	W	F	238	M E B		
06112	LECT-DISC	B14	9	M	W	F	244	M E B		
06113	LECT-DISC	B15	9	M	W	F	248	M E B		
06114	LECT-DISC	B16	9	M	W	F	252	M E B		
06115	LECT-DISC	B17	9	M	W	F	202	H H		POTEET
06116	LECT-DISC	C1	10	M	W	F	144	BEV HALL		GARVIN
06117	LECT-DISC	C2	10	M	W	F	110	E B		MCGUGAN
06118	LECT-DISC	C3	10	M	W	F	216	M E L		POWERS
06119	LECT-DISC	C4	10	M	W	F	19S	N L		HAGGERTY
06120	LECT-DISC	C5	10	M	W	F	164	N L		RUCKER
06121	LECT-DISC	C6	10	M	W	F	300	N L		BUTTERFIELD
06122	LECT-DISC	C7	10	M	W	F	301	N L		FOWLER
06123	LECT-DISC	C8	10	M	W	F	303	N L		MANN
06124	LECT-DISC	C9	10	M	W	F	128	W GYM		HOEG
06125	LECT-DISC	C10	10	M	W	F	101	E C		ONTMAN
06126	LECT-DISC	C11	10	M	W	F	138	M E B		GROUTH
06127	LECT-DISC	C12	10	M	W	F	435	N H B		W TANKSLEY
06128	LECT-DISC	C13	10	M	W	F	108	SURV BLDG		EHRET
06129	LECT-DISC	C14	10	M	W	F	156	M E B		MCBRIDE
06130	LECT-DISC	C15	10	M	W	F	238	M E B		W SLIGHTS
06131	LECT-DISC	C16	10	M	W	F	244	M E B		HALEY
06132	LECT-DISC	C17	10	M	W	F	248	M E B		MACCURBIN
06133	LECT-DISC	D1	11	M	W	F	110	E B		BLANKENSTEIN
06134	LECT-DISC	D2	11	M	W	F	216	M E L		POWERS
06135	LECT-DISC	D3	11	M	W	F	311	D H		MANN
06136	LECT-DISC	D4	11	M	W	F	108	SURV BLDG		EHRET
06137	LECT-DISC	D5	11	M	W	F	156	M E B		GROUTH
06138	LECT-DISC	D6	11	M	W	F	244	M E B		HALEY
06139	LECT-DISC	D7	11	M	W	F	248	M E B		MCBRIDE
06140	LECT-DISC	D8	11	M	W	F	337	ARMORY		GARVIN
06141	LECT-DISC	D9	11	M	W	F	308	C A		HAGGERTY
06142	LECT-DISC	D10	11	M	W	F	435	N H B		
06143	LECT-DISC	D11	11	M	W	F	PAR			DUBOIS
06144	LECT-DISC	D12	11	M	W	F	PAR			

RHET 101 CONTINUED

06145	LECT-DISC	X1	12	M	W	F	140	ADMIN		
06146	LECT-DISC	X2	12	M	W	F	147	ARMORY		HOEG
06147	LECT-DISC	X3	12	M	W	F	311	D H		GARBER
06148	LECT-DISC	X4	12	M	W	F	199	E C		WEBB
06149	LECT-DISC	X5	12	M	W	F	205	E B		GROUTT
06150	LECT-DISC	X6	12	M	W	F	327	G H		NEUMANN
06151	LECT-DISC	X7	12	M	W	F	196	L H		MCGUGAN
06152	LECT-DISC	X8	12	M	W	F	216	M E L		POWERS
06153	LECT-DISC	X9	12	M	W	F	103	N L		ONTMAN
06154	LECT-DISC	X10	12	M	W	F	111	N L		
06155	LECT-DISC	X11	12	M	W	F	161	N L		
06156	LECT-DISC	X12	12	M	W	F	162	N L		
06157	LECT-DISC	X13	12	M	W	F	164	N L		
06158	LECT-DISC	X14	12	M	W	F	223	E B		RUCKER
06159	LECT-DISC	E1	1	M	W	F	147	ARMORY		ANDERSON
06160	LECT-DISC	E2	1	M	W	F	138	M E B		LISTON
06161	LECT-DISC	E3	1	M	W	F	216	M E L		FELTSKOG
06162	LECT-DISC	E4	1	M	W	F	19S	N L		
06163	LECT-DISC	E5	1	M	W	F	162	N L		MACCUBBIN
06164	LECT-DISC	E6	1	M	W	F	164	N L		SROB
06165	LECT-DISC	E7	1	M	W	F	303	N L		TAYLOR
06166	LECT-DISC	E8	1	M	W	F	429	ARMORY		GARBER
06167	LECT-DISC	E9	1	M	W	F	115	E C		DUFF
06168	LECT-DISC	E10	1	M	W	F	435	N H B		VIA
06169	LECT-DISC	E11	1	M	W	F	108	SURV BLDG		TANKSLEY
06170	LECT-DISC	E12	1	M	W	F	214	T B		HAUER
06171	LECT-DISC	E13	1	M	W	F	156	M E B		SUMMERS
06172	LECT-DISC	E14	1	M	W	F	238	M E B		WARNER
06173	LECT-DISC	E15	1	M	W	F	244	M E B		
06174	LECT-DISC	E16	1	M	W	F	199	E C		TRIPPET
06175	LECT-DISC	E17	1	M	W	F	327	G H		TROPP
06176	LECT-DISC	E18	1	M	W	F	PAR			
06177	LECT-DISC	E19	1	M	W	F	PAR			
06178	LECT-DISC	F1	2	M	W	F	147	ARMORY		ANDERSEN
06179	LECT-DISC	F2	2	M	W	F	144	BEV HALL		DUFF
06180	LECT-DISC	F3	2	M	W	F	64	M E B		DUBOIS
06181	LECT-DISC	F4	2	M	W	F	216	M E L		HOAR
06182	LECT-DISC	F5	2	M	W	F	128	W GYM		POTTER
06183	LECT-DISC	F6	2	M	W	F	138	M E B		LISTON
06184	LECT-DISC	F7	2	M	W	F	434	N H B		SROB
06185	LECT-DISC	F8	2	M	W	F	435	N H B		VIA
06186	LECT-DISC	F9	2	M	W	F	108	SURV BLDG		TANKSLEY
06187	LECT-DISC	F10	2	M	W	F	214	T B		HAUER
06188	LECT-DISC	F11	2	M	W	F	156	M E B		SUMMERS
06189	LECT-DISC	F12	2	M	W	F	238	M E B		MARKOS
06190	LECT-DISC	F13	2	M	W	F	244	M E B		D SMITH
06191	LECT-DISC	F14	2	M	W	F	248	M E B		BROOKENS
06192	LECT-DISC	F15	2	M	W	F	337	ARMORY		TRIPPET
06193	LECT-DISC	G1	3	M	W	F	147	ARMORY		E CADE
06194	LECT-DISC	G2	3	M	W	F	144	BEV HALL		WARNER
06195	LECT-DISC	G3	3	M	W	F	311	D H		NICHOLS
06196	LECT-DISC	G4	3	M	W	F	194	L H		
06197	LECT-DISC	G5	3	M	W	F	216	M E L		HOAR
06198	LECT-DISC	G6	3	M	W	F	128	W GYM		POTTER
06199	LECT-DISC	G7	3	M	W	F	64	M E B		DUBOIS
06200	LECT-DISC	G8	3	M	W	F	138	M E B		D SMITH
06201	LECT-DISC	G9	3	M	W	F	434	N H B		FELTSKOG
06202	LECT-DISC	G10	3	M	W	F	435	N H B		SILVERMAN
06203	LECT-DISC	G11	3	M	W	F	204	N L		SPURGEON
06204	LECT-DISC	G12	3	M	W	F	238	M E B		MARKOS
06205	LECT-DISC	G13	3	M	W	F	303	E B		LAW
06206	LECT-DISC	G14	3	M	W	F	337	ARMORY		TROPP
06207	LECT-DISC	G15	3	M	W	F	117	E B		NEWMANN
06208	LECT-DISC	G16	3	M	W	F	209	E B		TAYLOR
06209	LECT-DISC	H1	4	M	W	F	140	ADMIN		
06210	LECT-DISC	H2	4	M	W	F	147	ARMORY		E CADE
06211	LECT-DISC	H3	4	M	W	F	142	ADMIN		FELTSKOG
06212	LECT-DISC	H4	4	M	W	F	144	BEV HALL		LISTON
06213	LECT-DISC	H5	4	M	W	F	8	C A		SPURGEON
06214	LECT-DISC	H6	4	M	W	F	9	C A		SILVERMAN
06215	LECT-DISC	H7	4	M	W	F	210	C A		VIA
06216	LECT-DISC	H8	4	M	W	F	311	D H		NICHOLS
06217	LECT-DISC	H9	4	M	W	F	108	E B		
06218	LECT-DISC	H10	4	M	W	F	110	E B		ANDERSEN
06219	LECT-DISC	H11	4	M	W	F	201	E B		TRIPPET
06220	LECT-DISC	H12	4	M	W	F	327	G H		WARNER
06221	LECT-DISC	H13	4	M	W	F	194	L H		DUFF
06222	LECT-DISC	H14	4	M	W	F	240	L H		LAW
06223	LECT-DISC	H15	4	M	W	F	216	M E L		HOAR
06224	LECT-DISC	K1	8	TU	TH	S	140	ADMIN		

RHET 101 CONTINUED

06225	LECT-DISC	K2	8	TU TH S	142	ADMIN		
06226	LECT-DISC	K3	8	TU TH S	108	E B		
06227	LECT-DISC	K4	8	TU TH S	110	E B		
06228	LECT-DISC	K5	8	TU TH S	201	E B		
06229	LECT-DISC	K6	8	TU TH S	209	E B		
06230	LECT-DISC	L1	9	TU TH S	140	ADMIN	J JOHNSON	
06231	LECT-DISC	L2	9	TU TH S	108	E B	KENNEDY	
06232	LECT-DISC	L3	9	TU TH S	110	E B	REEVE	
06233	LECT-DISC	L4	9	TU TH S	201	E B	SCHIFFHORST	
06234	LECT-DISC	L5	9	TU TH S	327	G H		
06235	LECT-DISC	L6	9	TU TH S	311	D H		
06236	LECT-DISC	L7	9	TU TH S	223	E B		
06237	LECT-DISC	M1	10	TU TH S	140	ADMIN		
06238	LECT-DISC	M2	10	TU TH S	108	E B	KENNEDY	
06239	LECT-DISC	M3	10	TU TH S	110	E B		
06240	LECT-DISC	M4	10	TU TH S	327	G H	REEVE	
06241	LECT-DISC	M5	10	TU TH S	311	D H		
06242	LECT-DISC	M6	10	TU TH S	223	E B		
06243	LECT-DISC	M7	10	TU TH S	259	E B	SCHIFFHORST	
06244	LECT-DISC	N1	11	TU TH S	140	ADMIN		
06245	LECT-DISC	N2	11	TU TH S	110	E B		
06246	LECT-DISC	N3	11	TU TH S	209	E B		
06247	LECT-DISC	N4	11	TU TH S	327	G H	REEVE	
06248	LECT-DISC	P1	1	TU	140	ADMIN	ALEXANDER	
		P1	1-3	TH	140	ADMIN		
06249	LECT-DISC	P2	1	TU	327	G H		
		P2	1-3	TH	327	G H		
06250	LECT-DISC	P3	1	TU	216	M E L	GEOGHEGAN	
		P3	1-3	TH	216	M E L		
06251	LECT-DISC	P4	1	TU	128	W GYM	KLUG	
		P4	1-3	TH	128	W GYM		
06252	LECT-DISC	P5	1	TU	311	D H	KENT	
		P5	1-3	TH	311	D H		
06253	LECT-DISC	P6	1	TU	101	E C		
		P6	1-3	TH	101	E C		
06254	LECT-DISC	P7	1	TU	210B	E B	M HUDNALL	
		P7	1-3	TH	210B	E B		
06255	LECT-DISC	P8	1	TU	259	E B	HOWARD	
		P8	1-3	TH	259	E B		
06256	LECT-DISC	P9	1	TU	238	M E B	LAROSA	
		P9	1-3	TH	238	M E B		
06257	LECT-DISC	P10	1	TU	434	N H B		
		P10	1-3	TH	434	N H B		
06258	LECT-DISC	P11	1	TU	435	N H B		
		P11	1-3	TH	435	N H B		
06259	LECT-DISC	R1	3-5	TU	140	ADMIN	ALEXANDER	
		R1	3	TH	140	ADMIN		
06260	LECT-DISC	R2	3-5	TU	201	E B	HOWARD	
		R2	3	TH	201	E B		
06261	LECT-DISC	R3	3-5	TU	327	G H		
		R3	3	TH	327	G H		
06262	LECT-DISC	R4	3-5	TU	216	M E L	GEOGHEGAN	
		R4	3	TH	216	M E L		
06263	LECT-DISC	R5	3-5	TU	103	N L		
		R5	3	TH	103	N L		
06264	LECT-DISC	R6	3-5	TU	128	W GYM	KLUG	
		R6	3	TH	128	W GYM		
06265	LECT-DISC	R7	3-5	TU	311	D H	KENT	
		R7	3	TH	311	D H		
06266	LECT-DISC	R8	3-5	TU	101	E C		
		R8	3	TH	101	E C		
06267	LECT-DISC	R9	3-5	TU	205	E B	LAROSA	
		R9	3	TH	205	E B		
06268	LECT-DISC	R10	3-5	TU	210B	E B	M HUDNALL	
		R10	3	TH	210B	E B		
06269	LECT-DISC	R11	3-5	TU	259	E B		
		R11	3	TH	259	E B		
06270	LECT-DISC	R12	3-5	TU	434	N H B		
		R12	3	TH	434	N H B		
06271	LECT-DISC	R13	3-5	TU	435	N H B		
		R13	3	TH	435	N H B		
06272	LECT-DISC	R14	3-5	TU	147	ARMORY		
		R14	3	TH	147	ARMORY		
06273	LECT-DISC	S1	2	TU	140	ADMIN	ALEXANDER	
		S1	4-6	TH	140	ADMIN		
06274	LECT-DISC	S2	2	TU	110	E B		
		S2	4-6	TH	110	E B		
06275	LECT-DISC	S3	2	TU	201	E B	SPENCLEY	
		S3	4-6	TH	201	E B		
06276	LECT-DISC	S4	2	TU	209	E B		
		S4	4-6	TH	209	E B		

RHET 101 CONTINUED

06277	LECT-DISC	S5	2	TU	327	G H		
		S5	4-6	TH	327	G H		
06278	LECT-DISC	S6	2	TU	216	M E L		GEOGHEGAN
		S6	4-6	TH	216	M E L		
06279	LECT-DISC	S7	2	TU	128	W GYM		
		S7	4-6	TH	128	W GYM		
06280	LECT-DISC	S8	2	TU	311	D H		
		S8	4-6	TH	311	D H		
06281	LECT-DISC	S9	2	TU	101	E C		
		S9	4-6	TH	101	E C		
06282	LECT-DISC	T1	1-3	TU	243	ARMORY		
		T1	1	TH	243	ARMORY		
06283	LECT-DISC	T2	1-3	TU	313	D H		
		T2	1	TH	313	D H		
06284	LECT-DISC	T3	1-3	TU	115	E C		
		T3	1	TH	115	E C		
06285	LECT-DISC	U1	3-5	TU	209	E B		SPENCLEY
		U1	2	TH	209	E B		
06286	LECT-DISC	U2	3-5	TU	243	ARMORY		
		U2	2	TH	243	ARMORY		
06287	LECT-DISC	V1	7-830PM	TU TH	110	E B		
06288	LECT-DISC	V2	7-830PM	TU TH	117	E B		

RHET 102 FRESHMAN RHETORIC AND COMPOSITION.

PREREQUISITE--RHET. 101.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.

*3 HOURS

06289	LECT-DISC	A1	8	M W F	199	E C		DONOVAN
06290	LECT-DISC	A2	8	M W F	252	M E B		MILLER
06291	LECT-DISC	A3	8	M W F	244	M E B		
06292	LECT-DISC	B1	9	M W F	309	E B		MINNIS
06293	LECT-DISC	B2	9	M W F	259	E B		
06294	LECT-DISC	C1	10	M W F	242	ARMORY		
06295	LECT-DISC	C2	10	M W F	199	E C		DONOVAN
06296	LECT-DISC	C3	10	M W F	201	N L		
06297	LECT-DISC	C4	10	M W F	252	M E B		MILLER
06298	LECT-DISC	D1	11	M W F	242	ARMORY		MINNIS
06299	LECT-DISC	D2	11	M W F	301	N L		ROGERS
06300	LECT-DISC	D3	11	M W F	252	M E B		
06301	LECT-DISC	X1	12	M W F	242	ARMORY		
06302	LECT-DISC	X2	12	M W F	110	E B		TROWER
06303	LECT-DISC	E1	1	M W F	242	ARMORY		
06304	LECT-DISC	E2	1	M W F	252	M E B		VEACH
06305	LECT-DISC	E3	1	M W F	362	ARMORY		HART
06306	LECT-DISC	F1	2	M W F	242	ARMORY		HART
06307	LECT-DISC	F2	2	M W F	110	E B		HENNEBRY
06308	LECT-DISC	F3	2	M W F	252	M E B		NEWTON
06309	LECT-DISC	G1	3	M W F	242	ARMORY		
06310	LECT-DISC	G2	3	M W F	110	E B		VEACH
06311	LECT-DISC	G3	3	M W F	252	M E B		NEWTON
06312	LECT-DISC	H1	4	M W F	199	E C		HENNEBRY
06313	LECT-DISC	H2	[illegible]	M W F	210A	E B		HART
06314	LECT-DISC	L1	[illegible]	TU TH S	142	ADMIN		
06315	LECT-DISC	M1	10	TU TH S	142	ADMIN		
06316	LECT-DISC	P1	1	TU	242	ARMORY		TAWAKILI
		P1	1-3	TH	242	ARMORY		
06317	LECT-DISC	P2	[illegible]	TU	110	E B		
		P2	1-3	TH	110	E B		
06318	LECT-DISC	R1	3-5	TU	242	ARMORY		TAWAKILI
		R1	3	TH	242	ARMORY		
06319	LECT-DISC	R2	3-5	TU	110	E B		
		R2	3	TH	110	E B		
06320	LECT-DISC	S1	2	TU	242	ARMORY		
		S1	4-6	TH	242	ARMORY		

RHET 107 FRESHMAN RHETORIC FOR SUPERIOR STUDENTS.

*CREDIT IS NOT GIVEN FOR RHET. 107 IN ADDITION TO RHET. 101, ENGL. 101, 102, OR 103.

*4 HOURS

06321	LECT-DISC	&A1	8	M W F	248	M E B		ROGERS
06322	LECT-DISC	&B1	9	M W F	144	BEV HALL		
06323	LECT-DISC	&C1	10	M W F	9	C A		ROGERS
06324	LECT-DISC	&D1	11	M W F	210A	E B		
06325	LECT-DISC	&X1	12	M W F	210A	E B		
06326	LECT-DISC	&X2	12	M W F	194	L H		
06327	LECT-DISC	&E1	1	M W F	110	E B		HUDNALL
06328	LECT-DISC	&E2	1	M W F	240	L H		
06329	LECT-DISC	&F1	2	M W F	205	E B		HUDNALL
06330	LECT-DISC	&G1	3	M W F	205	E B		
06331	LECT-DISC	&H1	4	M W F	205	E B		

RHET 133 PRINCIPLES OF COMPOSITION.
PREREQUISITE--RHET. 102 OR EQUIVALENT.
*CREDIT IS NOT GIVEN FOR RHET. 133 IN ADDITION TO RHET. 143.
*3 HOURS

06332	LECT-DISC	A1	8	M	W	F	303	E B		
06333	LECT-DISC	B1	9	M	W	F	303	E B		DAVIS
06334	LECT-DISC	C1	10	M	W	F	193	E C		TILLMAN
06335	LECT-DISC	D1	11	M	W	F	311	D H		SLIGHTS
06336	LECT-DISC	X1	12	M	W	F	240	L H		WOOLLEY
06337	LECT-DISC	E1	1	M	W	F	337	ARMORY		ALLEN

RHET 143 INTERMEDIATE EXPOSITORY WRITING.
PREREQUISITE--A GRADE OF A OR B IN RHET. 102 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR RHET. 143 IN ADDITION TO RHET. 133.
*3 HOURS

06338	LECT-DISC	A1	8	M	W	F	210A	E B		SHUGRUE
06339	LECT-DISC	C1	10	M	W	F	308	C A		STOTTLAR
06340	LECT-DISC	E1	1	M	W	F	434	N H B		
06341	LECT-DISC	F	2	M	W	F	311	D H		STEWART

RHET 144 NARRATIVE WRITING.
PREREQUISITE--RHET. 102 OR EQUIVALENT, SOPHOMORE STANDING.
3 HOURS

06342	LECT-DISC	B	9	M	W	F	308	C A		FUMENTO
06343	LECT-DISC	C	10	M	W	F	210A	E B		QUINN
06344	LECT-DISC	X	12	M	W	F	303	E B		FUMENTO
06345	LECT-DISC	E	1	M	W	F	303	E B		KAUFMANN
06346	LECT-DISC	G	3	M	W	F	309	E B		CURLEY

COURSES FOR ADVANCED UNDERGRADUATES

RHET 200 REMEDIAL WRITING.
PREREQUISITE--RHET. 102 OR EQUIVALENT AND FAILURE ON THE QUALIFYING EXAMINATION IN ENGLISH.
NO CREDIT

06347	LECT-DISC	A1	8	M	W	F	243	ARMORY		
06348	LECT-DISC	A2	8	M	W	F	193	E C		
06349	LECT-DISC	A3	8	M	W	F	210B	E B		
06350	LECT-DISC	B1	9	M	W	F	193	E C		DONOVAN
06351	LECT-DISC	B2	9	M	W	F	204	N L		
06352	LECT-DISC	C1	10	M	W	F	243	ARMORY		
06353	LECT-DISC	C2	10	M	W	F	204	N L		
06354	LECT-DISC	C3	10	M	W	F	64	M E B		
06355	LECT-DISC	D1	11	M	W	F	243	ARMORY		
06356	LECT-DISC	D2	11	M	W	F	64	M E B		
06357	LECT-DISC	D3	11	M	W	F	138	M E B		
06358	LECT-DISC	X1	12	M	W	F	193	E C		
06359	LECT-DISC	X2	12	M	W	F	210B	E B		
06360	LECT-DISC	X3	12	M	W	F	259	E B		
06361	LECT-DISC	X4	12	M	W	F	201	N L		
06362	LECT-DISC	E1	1	M	W	F	243	ARMORY		
06363	LECT-DISC	E2	1	M	W	F	201	N L		
06364	LECT-DISC	E3	1	M	W	F	204	N L		
06365	LECT-DISC	E4	1	M	W	F	300	N L		
06366	LECT-DISC	E5	1	M	W	F	64	M E B		
06367	LECT-DISC	F1	2	M	W	F	243	ARMORY		
06368	LECT-DISC	F2	2	M	W	F	193	E C		
06369	LECT-DISC	F3	2	M	W	F	259	E B		
06370	LECT-DISC	F4	2	M	W	F	204	N L		
06371	LECT-DISC	G1	3	M	W	F	243	ARMORY		
06372	LECT-DISC	G2	3	M	W	F	210B	E B		
06373	LECT-DISC	G3	3	M	W	F	240	L H		
06374	LECT-DISC	H1	4	M	W	F	112	E B		
06375	LECT-DISC	H2	4	M	W	F	209	E B		
06376	LECT-DISC	P1	1	TU			142	ADMIN		
		P1	1-3		TH		142	ADMIN		
06377	LECT-DISC	P2	1	TU			204	N L		
		P2	1-3		TH		204	N L		
06378	LECT-DISC	R1	3-5	TU			142	ADMIN		
		R1	3		TH		142	ADMIN		
06379	LECT-DISC	R2	3-5	TU			112	E B		
		R2	3		TH		112	E B		
06380	LECT-DISC	S1	2	TU			142	ADMIN		
		S1	4-6		TH		142	ADMIN		
06381	LECT-DISC	V1	7-830PM	TU	TH		205	E B		

RHET 205 ADVANCED NARRATIVE WRITING, I.
PREREQUISITE--RHET. 144 OR EQUIVALENT.
3 HOURS

06382	LECT-DISC	D	11	M	W	F	303	E B		QUINN
06383	LECT-DISC	F	2	M	W	F	303	E B		SCOUFFAS

RHET 227 ADVANCED EXPOSITORY WRITING.
PREREQUISITE--RHET. 133 OR 143, OR CONSENT OF INSTRUCTOR.
3 HOURS

06384	LECT-DISC	C	10	M	W	F	303	E B		STONE

RHET 246 MODERN ENGLISH GRAMMAR.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

06385	LECT-DISC	B	9	M	W	F	110	E B		HOOK
06386	LECT-DISC	E	1	M	W	F	108	E B		ASTON
06387	LECT-DISC	F	2	M	W	F	108	E B		TYLER

RHET 255 CREATIVE WRITING.
PREREQUISITE--A PREPARATORY COURSE IN ADVANCED WRITING--RHET. 205, 206, 227, 330, SPCH. 263, 363, CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE FOUR HOURS.
•2 HOURS

06388	CONF	ARR		CURLEY, FUMENTO NIMS, QUINN, SCOUFFAS, SHATTUCK, STONE

RHET 263 PLAYWRITING AND DRAMATIC STRUCTURE
SAME AS SPCH. 263.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS

06389	LECT-DISC	R	2	TU		49	L I R			W SMALLEY
		R	2-4		TH	49	L I R			

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RHET 330 THE WRITING OF POETRY.
PREREQUISITE--JUNIOR STANDING AND SIX HOURS OF ENGLISH LITERATURE OR CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE SIX HOURS.
•3 HOURS, OR 3/4 UNIT

06390	LECT-DISC	N	1	TU		309	E B			NIMS
		N	1-3		TH	309	E B			

[illegible] STUDIES IN LANGUAGE [illegible]
[illegible] AS LIT[illegible]
PREREQUISITE--[illegible] YEARS [illegible] CONSENT OF INSTRUCTOR.
[illegible] OR 3/4 UNIT
[illegible] LECT-DISC [illegible]

ENGLISH FOR FOREIGN STUDENTS

DEPARTMENT OFFICE 317 E H

NOTE--NO STUDENT IS PERMITTED TO REGISTER FOR ANY COURSE IN ENGLISH AS A FOREIGN LANGUAGE UNTIL HE HAS TAKEN THE EXAMINATION IN ENGLISH FOR FOREIGN STUDENTS. AUDITORS ARE NOT PERMITTED. RHETORIC 114 AND 115 FULFILL GRADUATION REQUIREMENTS IN RHETORIC. STUDENTS MAY BE REQUIRED TO TAKE MORE ELEMENTARY COURSES BEFORE THEY ARE PERMITTED TO TAKE RHET. 114. ADVISERS SHOULD CONSULT THE UNDERGRADUATE STUDY BULLETIN UNDER THE SECTION ENTITLED--GENERAL REQUIREMENTS FOR GRADUATION-ENGLISH--FOR THE DEFINITION OF A FOREIGN STUDENT.

COURSES FOR UNDERGRADUATES

RHET 109 ENGLISH AS A FOREIGN LANGUAGE.
PREREQUISITE--READING KNOWLEDGE OF ENGLISH AND ABILITY TO UNDERSTAND SIMPLE INSTRUCTIONS. RECOMMENDATION FROM ILLINOIS PLACEMENT TEST.
NO CREDIT

06392	LECT-DISC	A	8-10	M	W	F	362	ARMORY	TAYLOR

RHET 110 ENGLISH AS A FOREIGN LANGUAGE.
PREREQUISITE--READING KNOWLEDGE OF ENGLISH AND ABILITY TO UNDERSTAND SIMPLE INSTRUCTIONS, RECOMMENDATION FROM ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
*MAY ALSO BE TAKEN WITH RHET. 111 AND 114.
*NO CREDIT

06393	LECT-DISC	A	8	M	W	F	309	E B	WALKER
06394	LECT-DISC	B	9	M	W	F	134	ARMORY	PRANINSKAS
06395	LECT-DISC	C	10	M	W	F	111	N L	ENATA
06396	LECT-DISC	D	11	M	W	F	134	ARMORY	TAYLOR
06397	LECT-DISC	E	1	M	W	F	349	ARMORY	ENATA
06398	LECT-DISC	F	2	M	W	F	349	ARMORY	MERRILL
06399	LECT-DISC	G	3	M	W	F	201	E B	BRENNAN

RHET 111 ENGLISH AS A FOREIGN LANGUAGE.
PREREQUISITE--RHET. 109, RECOMMENDATION FROM ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
NO CREDIT

06400	LECT-DISC	A1	8-10	M	W	F	307	E B	DALTON
06401	LECT-DISC	A2	8-10	M	W	F	119	E B	
06402	LECT-DISC	C1	10-12	M	W	F	307	E B	PRANINSKAS
06403	LECT-DISC	C2	10-12	M	W	F	309	E B	
06404	LECT-DISC	E1	1-3	M	W	F	307	E B	WALKER
06405	LECT-DISC	E2	1-3	M	W	F	119	E B	
06406	LECT-DISC	G1	3-5	M	W	F	307	E B	FOX
06407	LECT-DISC	G2	3-5	M	W	F	119	E B	MERRILL

RHET 114 ENGLISH AS A FOREIGN LANGUAGE, I.
NOT OPEN TO GRADUATE STUDENTS.
PREREQUISITE--RHET. 111, RECOMMENDATION FROM OVERSEAS TEST OR ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
*FOREIGN STUDENTS RECEIVE 3 HOURS CREDIT,
*AMERICAN STUDENTS WITH FOREIGN LANGUAGE BACKGROUND RECEIVE NO CREDIT.
*0 OR 3 HOURS

06408	LECT-DISC	C	10	M	W	F	119	E B	HUSSEY
06409	LECT-DISC	D	11	M	W	F	144	BEV HALL	KEEN
06410	LECT-DISC	F	2PM	M	W	F	309	E B	DALTON

RHET 115 ENGLISH AS A FOREIGN LANGUAGE, II.
NOT OPEN TO GRADUATE STUDENTS.
PREREQUISITE--RHET. 114 AND/OR RECOMMENDATION FROM OVERSEAS TEST OR ILLINOIS PLACEMENT TEST OR CONSENT OF INSTRUCTOR.
*FOREIGN STUDENTS RECEIVE 3 HOURS CREDIT,
*AMERICAN STUDENTS WITH FOREIGN LANGUAGE BACKGROUND RECEIVE NO CREDIT.
*0 OR 3 HOURS

06411	LECT-DISC	D	11	M	W	F	119	E B	HUSSEY
06412	LECT-DISC	F	2PM	M	W	F	362	ARMORY	ENATA

COURSES FOR ADVANCED UNDERGRADUATES

RHET 201 REMEDIAL WRITING FOR FOREIGN STUDENTS.
PREREQUISITE--RHET. 114 AND 115 AND FAILURE ON THE QUALIFYING EXAMINATION IN ENGLISH FOR FOREIGN STUDENTS.
NO CREDIT

06413	LECT-DISC	J	5	M	W	F	119	E B	FOX

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RHET 388 LINGUISTICS IN LANGUAGE LEARNING.
SAME AS LING. 388.
PREREQUISITE--TWO YEARS OF FOREIGN LANGUAGE AND CONSENT OF INSTRUCTOR.
4 HOURS, OR 3/4 UNIT

06414	LECT-DISC		ARR		109	E B		ASTON

COURSES FOR GRADUATES

RHET 400 ENGLISH AS A FOREIGN LANGUAGE FOR GRADUATE FOREIGN STUDENTS.
PREREQUISITE--GRADUATE STANDING AND RHET. 111, OR CONSENT OF INSTRUCTOR.
3 HOURS, NO GRADUATE CREDIT.

06415	LECT-DISC	K	8-10	TU	303	E B		KEEN
		K	9	TH	303	E B		

RHET 401 ENGLISH AS A FOREIGN LANGUAGE FOR GRADUATE FOREIGN STUDENTS.
PREREQUISITE--GRADUATE STANDING AND RHET. 400, OR CONSENT OF INSTRUCTOR.
3 HOURS, NO GRADUATE CREDIT

06416	LECT-DISC		ARR					KEEN

BUSINESS ENGLISH

DEPARTMENT OFFICE 101 D K H

COURSES FOR UNDERGRADUATES

RHET 151 BUSINESS LETTER WRITING.
PREREQUISITE--RHET. 101 AND 102.
3 HOURS
*SECTION &L1 IS RESERVED FOR EDMUND J. JAMES SCHOLARS AND OTHER HONOR STUDENTS.

06417	LECT-DISC	A1	8	M W F	106	D K H		ZEWADSKI
06418	LECT-DISC	A2	8	M W F	306	D K H		IMHULSE
06419	LECT-DISC	B1	9	M W F	306	D K H		FELTON
06420	LECT-DISC	B2	9	M W F	326	D K H		BAKER
06421	LECT-DISC	B3	9	M W F	106	D K H		HARRIS
06422	LECT-DISC	C1	10	M W F	306	D K H		IMHULSE
06423	LECT-DISC	C2	10	M W F	326	D K H		ERICKSON
06424	LECT-DISC	C3	10	M W F	106	D K H		MAGUIRE
06425	LECT-DISC	D1	11	M W F	106	D K H		BAKER
06426	LECT-DISC	D2	11	M W F	306	D K H		ZEWADSKI
06427	LECT-DISC	D3	11	M W F	326	D K H		HARRIS
06428	LECT-DISC	X	12	M W F	106	D K H		ERICKSON
06429	LECT-DISC	E1	1	M W F	106	D K H		MAGUIRE
06430	LECT-DISC	E2	1	M W F	306	D K H		CHAPDU
06431	LECT-DISC	F	2	M W F	106	D K H		BAKER
06432	LECT-DISC	G2	3	M W F	326	D K H		ERICKSON
06434	LECT-DISC	*&L1	10	TU	106	D K H		GIESELMAN
		*&L1	10-12	TH	106	D K H		GIESELMAN
06433	LECT-DISC	O	2	TU	106	D K H		CHAMBERLIN
		O	2-4	TH	106	D K H		CHAMBERLIN

COURSES FOR ADVANCED UNDERGRADUATES

RHET 271 SALES WRITING.
SAME AS ADV. AND MKTG. 288.
PREREQUISITE--RHET. 101, 102, AND 151, OR CONSENT OF INSTRUCTOR.
2 HOURS

06435	LECT-DISC	K	9	TU TH	326	D K H		MAGUIRE
06436	LECT-DISC	M	11	TU TH	306	D K H		MAGUIRE
06437	LECT-DISC	F	2	M W	306	D K H		GIESELMAN

RHET 272 REPORT WRITING.
PREREQUISITE--RHET. 101, 102, AND 151, OR CONSENT OF CHAIRMAN OF DIVISION.
2 HOURS

06438	LECT-DISC	J1	8	TU TH	106	D K H		CHAPDU
06439	LECT-DISC	K1	9	TU TH	106	D K H		FELTON
06440	LECT-DISC	K2	9	TU TH	306	D K H		ZEWADSKI
06441	LECT-DISC	L1	10	TU TH	326	D K H		WEEKS
06442	LECT-DISC	L2	10	TU TH	306	D K H		CHAMBERLIN
06443	LECT-DISC	M	11	TU TH	326	D K H		CHAPDU
06444	LECT-DISC	N	1	TU TH	106	D K H		FELTON
06445	LECT-DISC	O	2	TU TH	306	D K H		IMHULSE
06446	LECT-DISC	G	3	M W	106	D K H		CHAMBERLIN

RURAL SOCIOLOGY

SEE AGRICULTURAL ECONOMICS

RUSSIAN

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

MAJOR--TWENTY HOURS OF RUSSIAN EXCLUDING RUSSIAN 101, 102, 103, AND 104, AND INCLUDING RUSSIAN 201, 202, 211, 212, 213, AND AT LEAST EIGHT HOURS FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES, A MINIMUM OF SIX HOURS IN RUSSIAN 321, 322, 323, 324, 325, AND 332, AND A MINIMUM OF TWO AND A MAXIMUM OF SIX HOURS IN RUSSIAN 309, 310, 312, 331.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ENGLISH--EXCLUDING RHET. 101 AND 102--, FRENCH, GERMAN, GREEK, HISTORY, ITALIAN, LATIN, LIBRARY SCIENCE, PHILOSOPHY, POLITICAL SCIENCE, PORTUGUESE, SPANISH. THE FIRST SEMESTER OF ANY FOREIGN LANGUAGE--FR. 101, GER. 101, GRK. 101, ITAL. 101, LAT. 101, PORT. 101, SPAN. 101--MAY NOT BE COUNTED TOWARD A MINOR IN THAT SUBJECT. THE CURRICULUM IN RUSSIAN LANGUAGE AND AREA STUDIES--WITH THE EXCEPTION OF COURSES IN RUSSIAN--IS ALSO ACCEPTED AS A SOLE MINOR.

COURSES FOR UNDERGRADUATES

RUSS 101 FIRST-YEAR RUSSIAN, I.
FOR STUDENTS WHO HAVE NO CREDIT IN RUSSIAN.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR RUSS. 101 WITHOUT RUSS. 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TH. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7PM 8PM

06447	LECT-DISC	A	8	MTUWTH	305	G H		
06448	LECT-DISC	B1	9	MTUWTH	305	G H		
06449	LECT-DISC	B2	9	MTUWTH	9	G H		
06450	LECT-DISC	C	10	MTUWTH	216	L H		
06451	LECT-DISC	D	11	MTUWTH	9	G H		
06452	LECT-DISC	E	1	MTUWTH	9	G H		
06453	LECT-DISC	F	2	MTUWTH	9	G H		
06454	LECT-DISC	G1	3	MTUWTH	9	G H		
06455	LECT-DISC	G2	3	MTUWTH	305	G H		
06456	LECT-DISC	H	4	MTUWTH	9	G H		

RUSS 102 FIRST-YEAR RUSSIAN, II.
PREREQUISITE--RUSS. 101.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TH. 8, 9, 10, 11, 12.

06457	LECT-DISC	A	8	MTUWTH	9	G	H
06458	LECT-DISC	B	9	MTU THF	270	L	H
06459	LECT-DISC	F	2	MTUWTH	305	G	H

RUSS 103 SECOND-YEAR RUSSIAN, I.
PREREQUISITE--RUSS. 102 OR EQUIVALENT.
4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TH. 1, 2, 3, 4, 5, 7PM, 8PM.
*SECTION &S IS PARTICULARLY FOR HONOR STUDENTS AND RUSSIAN MAJORS.

06460	LECT-DISC	A	8	MTUWTH	120	COM	W
06461	LECT-DISC	B	9	MTUWTH	120	COM	W
06463	LECT-DISC	*&S	1	MTUWTH	270	L	H
06462	LECT-DISC	G	3	MTUWTH	120	COM	W

RUSS 104 SECOND-YEAR RUSSIAN, II.
PREREQUISITE--RUSS. 103.
4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE-- W. 8, 9, 10.

06464	LECT-DISC	D	11	MTUWTH	305	G	H
06465	LECT-DISC	F	2	MTUWTH	270	L	H

RUSS 111 INTENSIVE FIRST-YEAR RUSSIAN.
FOR STUDENTS WHO HAVE NO CREDIT IN RUSSIAN. ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HOURS OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
8 HOURS

06466	LECT-DISC	C	10	MTUWTHF	270	L	H
		C	11	M W F	270	L	H

COURSES FOR ADVANCED UNDERGRADUATES

RUSS 201 INTRODUCTION TO RUSSIAN LITERATURE, I.
PREREQUISITE--RUSS. 104 OR CONSENT OF INSTRUCTOR.
3 HOURS

06467	LECT-DISC	C	10	M W F	305	G	H
06468	LECT-DISC	H	4	M W F	305	G	H

RUSS 211 ORAL RUSSIAN, I.
PREREQUISITE--RUSS. 103 AND 104 OR CONSENT OF INSTRUCTOR.
2 HOURS

06469	LECT-DISC	D	11	TU TH	120	COM	W
06470	LECT-DISC	G	3	TU TH	270	L	H

RUSS 212 ORAL RUSSIAN, II.
PREREQUISITE--RUSS. 211 OR CONSENT OF INSTRUCTOR.
2 HOURS

06471	LECT-DISC	C	10	TU TH	9	G	H

RUSS 213 RUSSIAN COMPOSITION, I.
PREREQUISITE--RUSS. 104 OR CONSENT OF INSTRUCTOR.
2 HOURS

06472	LECT-DISC	C	10	TU TH	429	ARMORY	
06473	LECT-DISC	E	1	TU TH	305	G	H

RUSS 280 TEACHERS COURSE.
PREREQUISITE--THREE YEARS OF COLLEGE RUSSIAN OR EQUIVALENT.
2 HOURS

06474	LECT-DISC	D	11	TU TH	270	L	H	KLEIN

RUSS 291 SENIOR THESIS AND HONORS.
2 HOURS
06475 CONF E ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RUSS 309 RUSSIAN LITERATURE IN TRANSLATION, I.
NO KNOWLEDGE OF RUSSIAN LANGUAGE IS REQUIRED. PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
06476 LECT-DISC E 1 M W F 305 G H

RUSS 321 READINGS IN RUSSIAN LITERATURE--PUSHKIN, LERMONTOV, GOGOL.
PREREQUISITE--RUSS. 201 AND 202 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
06477 LECT-DISC X 12 M W F 270 L H PACHMUSS

RUSS 332 TRADITIONS OF RUSSIAN LITERATURE AND THOUGHT.
PREREQUISITE--JUNIOR STANDING AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
06478 LECT-DISC D 11 M W F 120 COM W USZYNSKI

COURSES FOR GRADUATES

RUSS 400 BEGINNING RUSSIAN FOR GRADUATE STUDENTS.
4 HOURS--NO GRADUATE CREDIT.
06479 LECT-DISC A 8 MTUWTH 270 L H
06480 LECT-DISC X 12 MTUWTH 9 G H
06481 LECT-DISC J 5 MTUWTH 305 G H

RUSS 401 READINGS IN RUSSIAN FOR GRADUATE STUDENTS.
PREREQUISITE--RUSS. 400 OR EQUIVALENT.
4 HOURS--NO GRADUATE CREDIT.
*SECTION X IS RECOMMENDED FOR HUMANITIES MAJORS.
06482 LECT-DISC A 8 MTUWTH 429 ARMORY
06484 LECT-DISC *X 12 MTUWTH 305 G H
06483 LECT-DISC J 5 MTUWTH 9 G H

RUSS 406 RUSSIAN MORPHOLOGY.
1 UNIT
06485 LECT-DISC G 3 M W F 270 L H

RUSS 410 RUSSIAN LITERATURE OF THE 11TH TO THE 16TH CENTURY.
1 UNIT
06486 LECT-DISC C 10 M W F 120 COM W CIZEVSKA

RUSS 413 MODERN RUSSIAN DRAMA.
PREREQUISITE--RUSS. 322, 324.
1 UNIT
06487 LECT-DISC C 10 TU TH 120 COM W

RUSS 423 SEMINAR IN RUSSIAN POETRY.
PREREQUISITE--RUSS. 322, 324 OR CONSENT OF INSTRUCTOR.
* MAY BE REPEATED NOT TO EXCEED 3 UNITS OF CREDIT.
*1 UNIT
06488 LECT-DISC F 2 TU TH 120 COM W

RUSS 491 INDIVIDUAL TOPICS.
PREREQUISITE--GRADUATE STANDING WITH A MAJOR OR MINOR IN RUSSIAN.
1/4 TO 2 UNITS
06489 CONF ARR STAFF

RUSS 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
06490 CONF ARR STAFF

CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES

DEPARTMENT OFFICE 110 DAVENPORT HOUSE

STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

MAJOR--STUDENTS WHO ELECT RUSSIAN LANGUAGE AND AREA STUDIES AS A MAJOR MUST,
1-COMPLETE THE PRESCRIBED AND GENERAL EDUCATION SEQUENCES REQUIRED IN THE GENERAL CURRICULUM.
2-COMPLETE AT LEAST TWENTY SEMESTER HOURS OF RUSSIAN LANGUAGE COURSES, IN ADDITION TO RUSS. 101-102, OR DEMONSTRATE EQUIVALENT PROFICIENCY.
3-COMPLETE A MAJOR CONSISTING OF AT LEAST TWENTY SEMESTER HOURS DISTRIBUTED AMONG AT LEAST FOUR DEPARTMENTS AND CHOSEN FROM THE COURSES LISTED BELOW. COURSES USED FOR MAJOR OR MINOR CREDIT OUTSIDE THE PROGRAM OF RUSSIAN LANGUAGE AND AREA STUDIES MAY NOT COUNT AS PART OF THIS TWENTY HOURS.

ANTH. 381, 382	POL. S. 335, 383
ECON. 312	RUSS. 309, 310, 312, 321, 322,
GEOG. 353	323, 324, 325, 332, 333
HIST. 219, 220, 327, 328	SOC. 350
LAW 369	

4-COMPLETE A MINOR OF TWENTY HOURS, EXCLUDING COURSES OPEN TO FRESHMEN, IN ONE OR TWO DEPARTMENTS. IF TWO ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH. COURSES IN THE RUSSIAN LANGUAGE MAY, WITH THE APPROVAL OF THE CENTER DIRECTOR, CONSTITUTE ALL OR PART OF THIS MINOR.

RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR--A MINOR IN RUSSIAN LANGUAGE AND AREA STUDIES, DESIGNED TO ACCOMPANY A MAJOR IN ANY DEPARTMENT, REQUIRES AT LEAST TWENTY SEMESTER HOURS DISTRIBUTED AMONG AT LEAST THREE DEPARTMENTS AND CHOSEN FROM THE COURSES LISTED BELOW. IT ALSO REQUIRES A KNOWLEDGE OF RUSSIAN EQUIVALENT AT LEAST TO THAT NORMALLY ATTAINED AFTER RUSS. 101-102.

ANTH. 381, 382	POL. S. 335, 383
ECON. 312	RUSS. 309, 310, 312, 321,
GEOG. 353	322, 323, 324, 325, 332, 333
HIST. 219, 220, 327, 328	SOC. 350
LAW 369	

GRADUATE MINORS IN RUSSIAN LANGUAGE AND AREA STUDIES

MINOR FOR THE MASTERS DEGREE--A CANDIDATE FOR THE MASTERS DEGREE WHO ELECTS RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR MUST EARN AT LEAST TWO UNITS OF GRADUATE CREDIT IN COURSES CHOSEN FROM THE LIST GIVEN BELOW. THE COURSES CHOSEN MUST BE IN AT LEAST TWO DEPARTMENTS.

ANTH. 381, 382	POL. S. 335, 383, 435
ECON. 312	RUSS. 309, 310, 312, 321, 322,
GEOG. 353, 495	323, 324, 325, 332, 333, 405, 410,
HIST. 327, 328, 419,	412, 413, 416, 417, 421, 423
LAW 369	SOC. 350, 450

MINOR FOR THE PH.D. DEGREE--A DOCTORAL CANDIDATE WHO ELECTS RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR MUST DEMONSTRATE A READING COMMAND OF RUSSIAN AS TESTED BY EXAMINATION OR BY COMPLETION OF RUSSIAN 401 WITH A GRADE OF A OR B, AND IN ADDITION MUST EARN AT LEAST FOUR UNITS OF GRADUATE CREDIT IN COURSES CHOSEN FROM THE LIST GIVEN JUST ABOVE. THE FOUR UNITS MUST BE DISTRIBUTED AMONG AT LEAST TWO DEPARTMENTS, NOT INCLUDING THE DEPARTMENT OFFERING THE CANDIDATES MAJOR.

CERTIFICATE OF GRADUATE SPECIALIZATION IN RUSSIAN LANGUAGE AND AREA STUDIES

THIS CERTIFICATE IS AWARDED BY THE GRADUATE COLLEGE AND THE CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES. IT IS FOR PERSONS WITH THE BACCALAUREATE WHO ARE ENROLLED IN ADVANCED STUDIES IN ANY DISCIPLINE AND WHO WISH AT THE SAME TIME TO GAIN A KNOWLEDGE OF THE RUSSIAN AREA AND LANGUAGE. THE REQUIREMENTS ARE--1--A GOOD COMMAND OF WRITTEN AND SPOKEN RUSSIAN, AS DETERMINED BY SPECIAL EXAMINATIONS. 2--AT LEAST SIX GRADUATE UNITS RELATING TO RUSSIA, DISTRIBUTED AMONG AT LEAST THREE OF THE DEPARTMENTS REPRESENTED IN THE PROGRAM--ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, LAW, POLITICAL SCIENCE, RUSSIAN AND SOCIOLOGY--IN ADDITION TO THE STUDENTS OWN MAJOR DEPARTMENT. FOR COURSES, SEE ABOVE. 3--A SPECIAL ESSAY BASED LARGELY ON RUSSIAN SOURCES AND TO BE, AT THE MINIMUM, OF THE STANDARD NORMALLY REQUIRED IN A MASTERS THESIS. THE STUDENT MAY SUBMIT, IN FULFILLMENT OF THIS REQUIREMENT, A COPY OF HIS MASTERS THESIS OR DOCTORAL DISSERTATION.

THE ADVISER FOR THE GRADUATE MINORS AND THE CERTIFICATE IS PROFESSOR RALPH T. FISHER, DIRECTOR OF THE CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES, 105 DAVENPORT HOUSE.

STUDENTS IN OTHER COLLEGES

STUDENTS IN OTHER COLLEGES AND SCHOOLS OF THE UNIVERSITY WHO DESIRE A KNOWLEDGE OF THE RUSSIAN AREA ARE INVITED TO CONSULT, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, WITH THE DIRECTOR OF THE CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. SUCH PROGRAMS MAY IN SOME CASES BE ADOPTED AS A SPECIAL MINOR.

BELOW ARE LISTED COURSES IN THE RUSSIAN AREA WHICH ARE BEING OFFERED THIS TERM. EXCLUDED ARE COURSES REQUIRING A KNOWLEDGE OF RUSSIAN WHICH ARE LISTED IN THE TIMETABLE SECTION DEVOTED TO THE DEPARTMENT OF RUSSIAN. FOR FULL COURSE DESCRIPTIONS, CONSULT THE ENTRIES OF THE APPROPRIATE DEPARTMENTS. IF CONSENT OF INSTRUCTOR IS REQUIRED IT MAY BE OBTAINED FROM DR. FISHER FOR STUDENTS ENROLLED IN RUSSIAN LANGUAGE AND AREA STUDIES AS MAJORS OR MINORS.

HIST	219	LECT	9	TU TH	106	L H	KAPLAN
			2	TH	106	L H	

TSARIST RUSSIA--ITS BACKGROUND, EXPANSION, AND PROBLEMS TO 1855, 3 HOURS

ANTH	381	LECT	10	M W F	137	D H	SHIMKIN

RUSSIAN CULTURE HISTORY AND ETHNOLOGY, 3 HOURS, OR 1/2 OR 1 UNIT

ECON	312	LECT-DISC	3	M W F	126	COM W	

THE SOVIET ECONOMY, 3 HOURS, OR 1/2 OR 1 UNIT

GEOG	353	LECT-DISC	9	M W F	113	D H	FELLMANN

GEOGRAPHY OF THE USSR, 3 HOURS, OR 1/2 UNIT

HIST	327	LECT-DISC	2	M W F	328	ARMORY	

THE RUSSIAN REVOLUTION, 3 HOURS OR 1/2 OR 1 UNIT

POL S	335	LECT	2	M W F	192	L H	HOUGH

GOVERNMENT AND POLITICS OF THE SOVIET UNION, 3 HOURS OR 1/2 OR 1 UNIT

RUSS	309	LECT-DISC	1	M W F	305	G H	

RUSSIAN LITERATURE IN TRANSLATION, I., 3 HOURS, OR 3/4 UNIT

SOC	350	LECT-DISC	9	M W F	213	G H	VUCINICH

SOVIET SOCIAL INSTITUTIONS, 3 HOURS, OR 1/2 OR 1 UNIT

GEOG 495 CONF AKR FELLMANN
ADVANCED STUDIES IN GEOGRAPHY, 1/2 TO 2 UNITS SHIMKIN

SOC 450 LECT-DISC 10-12 TU 348 L H VUCINICH
PROBLEMS OF SOVIET SOCIETY IN TRANSITION, 1 UNIT

SAFETY EDUCATION

DEPARTMENT OFFICE 114 HUFF GYM

COURSES FOR ADVANCED UNDERGRADUATES

S ED 280 SAFETY EDUCATION.
3 HOURS
06491 LECT-DISC B 9 M W F 209 H G FLORIO
06492 LECT-DISC G 2 M W F 209 H G HUFFMAN

S ED 284 DRIVER EDUCATION.
PREREQUISITE--DRIVERS LICENSE, JUNIOR STANDING.
3 HOURS
*TWO ADDITIONAL HOURS PER WEEK TO BE ARRANGED.
06493 LECT-DISC L *8 TU TH 209 H G FLORIO, NIVA

S ED 294 ADVANCED TRAFFIC SAFETY EDUCATION.
PREREQUISITE--S. ED. 284 OR CONSENT OF INSTRUCTOR
FIELD TRIP AND EIGHT HOURS LAB TO BE ARRANGED.
2 HOURS
06494 LECT-DISC M 9 TU TH 209 H G HUFFMAN, PON

COURSES FOR GRADUATES

S ED 402 PROBLEMS IN SAFETY EDUCATION.
1 UNIT
06495 LECT-DISC N 4-6 W 211 H G FLORIO

SECONDARY AND CONTINUING EDUCATION

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

SE ED 101 NATURE OF THE TEACHING PROFESSION.
2 HOURS
SECT J --MATH SECT N2--MUSIC
K --SPEECH O --ENGLISH
L1--SPCH CORR P1--SOC STUD
L2--FOR LANG P2--ENGLISH
M --FOR LANG G --SCIENCE
N1--SOC STUD

06496	LECT-DISC	J	8	TU TH	192	EDUC		K HENDERSON
06497	LECT-DISC	K	9	TU TH	240	L H		BURNS
06498	LECT-DISC	L1	10	TU TH	106	SP CLINIC		F JOHNSON
06499	LECT-DISC	L2	10	TU TH	162	EDUC		KAULFERS
06500	LECT-DISC	M	11	TU TH	162	EDUC		KAUFLERS
06501	LECT-DISC	N1	1	TU TH	166	EDUC		METCALF
06502	LECT-DISC	N2	1	TU TH	389	EDUC		REIMER
06503	LECT-DISC	O	2	TU TH	166	EDUC		
06504	LECT-DISC	P1	3	TU TH	1	EDUC		METCALF
06505	LECT-DISC	P2	3	TU TH	192	EDUC		
06506	LECT-DISC	G	1-3	F	4G	EDUC		

COURSES FOR ADVANCED UNDERGRADUATES

SE ED 219 REMEDIAL READING IN THE HIGH SCHOOL.
PREREQUISITE--ED. PSY. 211.
3 HOURS
*CLASS WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

06507	LECT-DISC	*A1	8	MTUWTHF	166	EDUC		W EVANS
06508	LECT-DISC	*A2	8	MTUWTHF	1	EDUC		

SE ED 240 PRINCIPLES OF SECONDARY EDUCATION.
PREREQUISITE--SE. ED. 101, PSYCH. 100.
2 HOURS
*SECTIONS X AND E1 ARE PRIMARILY FOR STUDENTS REGISTERED FOR OFF CAMPUS STUDENT TEACHING. THIS SECTION WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
*SECTION &L1 HONORS SECTION. RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS, OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED CONSENT OF INSTRUCTOR.

06509	LECT-DISC	J	8	TU TH	162	EDUC		
06510	LECT-DISC	B	9	M W	2	EDUC		GIRAULT
06515	LECT-DISC	*&L1	10	TU TH	28	EDUC		
06511	LECT-DISC	L2	10	TU TH	176	EDUC		DEBOER
06512	LECT-DISC	M	11	TU TH	2	EDUC		DEBOER
06516	LECT-DISC	*X	12	MTUW	166	EDUC		
06517	LECT-DISC	*E1	1	MTUW	176	EDUC		
06513	LECT-DISC	E2	1	M W	166	EDUC		
06514	LECT-DISC	P	3	TU TH	385	EDUC		DEBOER

SE ED 241 TECHNIC OF TEACHING IN THE SECONDARY SCHOOL.
PREREQUISITE--HP. ED. 201 AND SE. ED. 240, CONCURRENT REGISTRATION IN ED. PR. 242, CONSENT OF INSTRUCTOR.
3 TO 5 HOURS
*REGISTRATION BOTH SE. ED. 241 AND ED. PR. 242 MUST BE APPROVED AT THE REGISTRATION PERIOD BY THE PERSON LISTED AS THE INSTRUCTOR FOR SE. ED. 241. SEE EDUCATION PRACTICE.

06519	LECT-DISC *A1	8	MTUWTHF	10	EDUC	GULIZIA
	FOR LANG- 4 HOURS					
06520	LECT-DISC *A2	4	MTUWTHF	133	ARMORY	HARRINGTON
	FOR LANG- 4 HOURS					
06521	LECT-DISC *B2	9	MTUWTHF	1	EDUC	KNAPP
	P E MEN- 3 HOURS					
06522	LECT-DISC *B1	9	MTUWTHF	192	EDUC	C KIRK
	MUSIC- 3-4 HOURS					
06523	LECT-DISC *B3	9	MTUWTHF	10	EDUC	K HENDERSON
		7-9PM	W	10	EDUC	
	MATH- 5 HOURS					
06524	LECT-DISC *B4	9	MTUWTHF	4G	EDUC	GOULD
	SCIENCE- 4 HOURS					
06525	LECT-DISC *C1	10	MTUWTHF	1	EDUC	EVANS, TYLER
		11	M W F	1	EDUC	
	ENGLISH- 5 HOURS					
06526	LECT-DISC *C2	10	MTUWTHF	192	EDUC	WALKER, HOOK
		11	M W F	192	EDUC	
	ENGLISH- 5 HOURS					
06527	LECT-DISC *F1	10	MTUWTHF	2	EDUC	
		11	M W F	2	EDUC	
	ENGLISH- 5 HOURS					
06528	LECT-DISC *E	1	MTUWTHF	10	EDUC	GIRAULT
	FIRST SIX WEEKS					
	*E	2	M W F	10	EDUC	
	SOC STUD- 4 HOURS					
	LAST FOUR WEEKS					
06529	LECT-DISC *F2	2-4	MTUWTHF	25	EDUC	TREKELL
	P E WOMEN- 5 HOURS					
06530	LECT-DISC *A3	8	MTUWTHF	25	EDUC	MATHER
	HOME ECON- 3 HOURS					
06531	LECT-DISC *B5	9	MTUWTHF	133	F A B	
	ART- 3-4 HOURS					
06532	LECT-DISC *F3	2-4	MTUWTHF	10	D K H	CRANK
	BUS ED- 5 HOURS					
06533	LECT-DISC *I	ARR		323	LIB	
	LIB SCI- 3-4 HOURS					
06534	LECT-DISC *E2	1	MTUWTHF	42	EDUC	TINKHAM
	IND ED- 3 HOURS					

SE ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

06535	CONF	&A	ARR		STAFF

SE ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

06536	CONF	&A	ARR		STAFF

COURSES FOR GRADUATES

SE ED 439 FUNDAMENTALS OF CURRICULUM DEVELOPMENT.
1 UNIT

06537	LECT-DISC	430-630	TU	389	EDUC

SE ED 441 LINGUISTIC AND LOGICAL ANALYSIS OF TEACHING.
1 UNIT

06538	LECT-DISC	7-9PM	TU	25	EDUC	K HENDERSON

SE ED 449 INDEPENDENT STUDY.
•MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL CONSENT OF THE DEAN.
•1/2 OR 1 UNIT

06539	CONF	ARR				GRADUATE STAFF

SE ED 456 PROBLEMS AND TRENDS IN SPECIALIZED FIELDS OF SECONDARY EDUCATION.
1 UNIT
•SECTION A IS FOR SOCIAL STUDIES, •SECTION B IS FOR SCIENCE.

06540	LECT-DISC •A	430-630PM	TU	25	EDUC	METCALF
06541	LECT-DISC •B	430-630PM	TU	10	EDUC	R W BURNETT

SE ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

06542	CONF	ARR				GRADUATE STAFF

SE ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

06543	CONF	ARR				GRADUATE STAFF

SERBO-CROATIAN

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

S CR 392 STRUCTURE OF SERBO-CROATIAN.
PREREQUISITE--RUSS. 104.
3 HOURS, OR 3/4 UNIT

F	2	M W F	120	COM W		LENCEK

SOCIAL SCIENCES

THE DIVISION OF SOCIAL SCIENCES SPONSORS THE FOLLOWING PROGRAMS--A-AN UNDERGRADUATE MAJOR AND MINOR IN LATIN AMERICAN STUDIES, B-A GRADUATE MINOR IN LATIN-AMERICAN STUDIES, C-AN UNDERGRADUATE MAJOR AND MINOR IN RUSSIAN AREA STUDIES, D-A GRADUATE MINOR IN RUSSIAN AREA STUDIES, E-A GRADUATE PROGRAM LEADING TO THE DEGREE OF MASTER OF ARTS IN THE SOCIAL SCIENCES, F-A GRADUATE PROGRAM LEADING TO THE DEGREE OF MASTER OF ARTS IN THE TEACHING OF SOCIAL STUDIES. G-A GRADUATE MAJOR AND MINOR AND UNDERGRADUATE MINOR IN LINGUISTICS.

THE STUDY OF INTERNATIONAL AFFAIRS.--THE DIVISION OF SOCIAL SCIENCES CALLS TO THE ATTENTION OF STUDENTS THE OFFERINGS IN THE GENERAL FIELD OF INTERNATIONAL AFFAIRS FOUND AT THE UNIVERSITY OF ILLINOIS. THE DIVISION RECOMMENDS THAT THE STUDENT INTERESTED IN INTERNATIONAL AFFAIRS CONSULT WITH THE ADVISER IN HIS MAJOR DEPARTMENT CONCERNING THE POSSIBILITY OF TAKING COURSES IN THIS AREA, EITHER AS PART OF A MINOR OR SPLIT MINOR OR AS ELECTIVES.

ENTRANCE EXAMINATIONS FOR THE FOREIGN SERVICE OF THE UNITED STATES.-STUDENTS INTERESTED IN PREPARING FOR THESE EXAMINATIONS ARE URGED TO CONSULT WITH THE GOVERNMENT PLACEMENT CONSULTANT OF THE UNIVERSITY PLACEMENT SYSTEM, WHO MAY BE SEEN AT THE INSTITUTE OF GOVERNMENT AND PUBLIC AFFAIRS, 1201 WEST NEVADA STREET.

COURSES FOR UNDERGRADUATES

SOC S 101 LATIN-AMERICAN CIVILIZATION--THE CARIBBEAN.
3 HOURS

06545	LECT-DISC	A	3	M W F	229	N H B		

COURSES FOR ADVANCED UNDERGRADUATES

SOC S 201 INTRODUCTION TO MODERN ASIA.
PREREQUISITE--JUNIOR STANDING OR DESIGNATION AS JAMES SCHOLAR.
4 HOURS

06546	LECT-DISC	A	1	M W F	229	N H B		
06547	LECT-DISC	B	5	TH	314	L H		

SOC S 301 CONTEMPORARY LATIN-AMERICAN PROBLEMS.
REQUIRED OF ALL MAJORS AND/OR MINORS IN LATIN AMERICAN STUDIES.
PREREQUISITE--SENIOR OR GRADUATE STANDING, REGISTRATION IN LATIN-AMERICAN STUDIES OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

06548	LECT-DISC	A	1-3	M	134	ARMORY		

SOCIAL WORK

DEPARTMENT OFFICE 1207 W OREGON

MINORS--COURSES IN SOCIAL WORK MAY BE COUNTED TOWARD AN UNDERGRADUATE MINOR IN THE DEPARTMENTS OF ANTHROPOLOGY, ECONOMICS, POLITICAL SCIENCE, PSYCHOLOGY, AND SOCIOLOGY.

COURSES FOR ADVANCED UNDERGRADUATES

SOC W 225 INTRODUCTION TO SOCIAL WORK I.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

06549	LECT-DISC	1	10	M W F	311	G H		COSTIN
06550	LECT-DISC	2	10	M W F	240	ADMIN		STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOC W 311 INTRODUCTION TO SOCIAL CASEWORK.
PREREQUISITE--JUNIOR STANDING.
2 HOURS, OR 1/2 UNIT

06551	LECT-DISC	1	10	TU TH	176	L H		MCDONALD
06552	LECT-DISC	2	10	TU TH	108	L H		STAFF

SOC W 316 SOCIAL SERVICES FOR CHILDREN.
PREREQUISITE--JUNIOR STANDING AND A MAJOR IN ANY OF THE SOCIAL SCIENCES, EDUCATION, RECREATION, SPEECH CORRECTION, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

06553	LECT-DISC	1	1	M W F	326	L H		COSTIN
06554	LECT-DISC	2	1	M W F	194	L H		STAFF

COURSES FOR GRADUATES

NOTE--TO BE ADMITTED TO GRADUATE STUDY IN SOCIAL WORK, STUDENTS MUST HAVE HAD TWENTY HOURS IN THE SOCIAL SCIENCES, PREFERABLY INCLUDING THE INTRODUCTORY COURSES IN PSYCHOLOGY, SOCIOLOGY, ECONOMICS, POLITICAL SCIENCE, SOCIAL ANTHROPOLOGY, HISTORY, PHILOSOPHY, AND PREPROFESSIONAL COURSES SUCH AS STATISTICAL METHODS AND INTRODUCTION TO SOCIAL WORK.

SOC W 421 SOCIAL WORK METHODS I.
2 TO 4 UNITS
SECTIONS A1 AND A2 REQUIRED OF ALL STUDENTS,
SECTIONS B1 AND B2 OF CASEWORK MAJORS, SECTIONS C1 AND C2 OF GROUP WORK MAJORS.
A1 COMMUNITY ORGANIZATION
B1 SOCIAL CASEWORK
B2 FIELD INSTRUCTION IN SOCIAL CASEWORK
C1 SOCIAL GROUP WORK
C2 FIELD INSTRUCTION IN SOCIAL GROUP WORK

*NOTE THAT STARRED SECTIONS MEET IN CHICAGO.

06555	LECT-DISC	A1	1-3	M	1207 W OREGON	STAFF
06558	LECT-DISC	*A1C	9-11	M	833 WOOD CHICAGO	STAFF
06556	LECT-DISC	B1	1-3	TU	1207 W OREGON	VATTANO & SULLIVAN
06559	LECT-DISC	*B1C	1-3	M	833 WOOD CHICAGO	HOLDEN & WILLE
06557	PRACT	B2	830-5	WTHF	ARR	STAFF
06560	PRACT	*B2C	ARR		ARR	STAFF
06561	LECT-DISC	*C1C	1-3	M	833 WOOD CHICAGO	CANTER
06562	LECT-DISC	*C2C	ARR		ARR	STAFF

SOC W 423 SOCIAL WORK METHODS III.
PREREQUISITE--SOC.W. 422.
2 TO 4 UNITS
SECTION A1 REQUIRED OF ALL STUDENTS, SECTIONS B1 AND B2 OF CASEWORK MAJORS, AND SECTIONS C1 AND C2 GROUP WORK MAJORS.
A1 SOCIAL WORK PRACTICE
B1 SOCIAL CASEWORK
B2 FIELD INSTRUCTION IN SOCIAL CASEWORK
C1 SOCIAL GROUP WORK
C2 FIELD INSTRUCTION IN SOCIAL GROUP WORK

*NOTE THAT STARRED SECTIONS MEET IN CHICAGO.

06564	LECT-DISC	A1	2	M	1205 W OREGON	VATTANO
06566	LECT-DISC	*A1C	8	W	833 WOOD CHICAGO	POOLE
06564	LECT-DISC	B1	9-11	TU	1205 W OREGON	TANENBAUM
06567	LECT-DISC	*B1C	1-3	TU	833 WOOD CHICAGO	POOLE
06565	PRACT	B2	ARR	WTHF	ARR	STAFF
06568	PRACT	*B2C	ARR		ARR	STAFF
06569	LECT-DISC	*C1C	1-3	TU	833 WOOD CHICAGO	SIMON
06570	PRACT	*C2C	ARR		ARR	STAFF

SOC W 451 DYNAMICS OF HUMAN DEVELOPMENT I.
1 TO 2 UNITS

06571	LECT-DISC	A1	3-5	MTU	1207 W OREGON	TANENBAUM AND LECTURERS
06572	LECT-DISC	*A1C	9-11	TU	833 WOOD CHICAGO	ALDERSON
		*A1C	1-3	TU	833 WOOD CHICAGO	& LECTURERS

SOC W 454 DYNAMICS OF HUMAN DEVELOPMENT, III.
PREREQUISITE--SOC. W. 451.
1 TO 2 UNITS
*MEETS IN CHICAGO.

06573	LECT-DISC	A1	11	TU	1205 W OREGON	VATTANO
		A1	2-4	TU	1205 W OREGON	AND LECTURERS
06574	LECT-DISC	*A1C	9-12	TU	833 WOOD CHICAGO	HOLDEN AND LECTURERS

SOC W 461 SPECIAL STUDIES IN SOCIAL WORK I.
1 TO 2 UNITS
*MEETS IN CHICAGO.

06575	LECT-DISC	A1	ARR			STAFF
06576	LECT-DISC	*A1C	ARR			STAFF

SOC W 462 SPECIAL STUDIES IN SOCIAL WORK II.
1 TO 2 UNITS
*MEETS IN CHICAGO.

06577	LECT-DISC	A1	ARR					STAFF
06579	LECT-DISC	*A1C	ARR					STAFF

SOC W 481 SOCIAL WELFARE ORGANIZATION I.
1 TO 2 UNITS
*MEETS IN CHICAGO.

06579	LECT-DISC	A1	9-12	M		1207 W OREGON		MCDONALD
06580	LECT-DISC	*A1C	9-12		W	833 WOOD CHICAGO		STAFF

SOC W 483 SOCIAL WELFARE ORGANIZATION III.
PREREQUISITE--SOC. W. 482.
1 TO 2 UNITS

06581	LECT-DISC	A1	3-5	M		1205 W OREGON		COSTIN
		A1	1		TU	1205 W OREGON		COSTIN
06582	LECT-DISC	*A1C	9-12		W	833 WOOD CHICAGO		STAFF

SOC W 491 RESEARCH SEMINAR.
PREREQUISITE--SOC.W. 421 AND 422, SECTION A2.
0 TO 2 UNITS

06583	CONF	A1	9-11	M		1205 W OREGON		TAPER
06584	CONF	*A1C	2-4		W	833 WOOD CHICAGO		CANTER AND STAFF

SOCIOLOGY

DEPARTMENT OFFICE 342 L H

MAJOR--TWENTY HOURS FROM ANY COURSES IN SOCIOLOGY, EXCLUDING SOCIOL. 100, 104, AND 105. SOCIOLOGY MAJORS ARE STRONGLY ADVISED TO TAKE AT LEAST ONE COURSE IN EACH OF THE FOLLOWING FIELDS--GENERAL SOCIOLOGICAL THEORY--SOC. 243, 400--SOCIETY AND THE INDIVIDUAL--SOC. 212 AND 320--AND SOCIOLOGICAL RESEARCH METHODS--SOC. 385 AND 386. SOC. 185, OR AN EQUIVALENT, IS REQUIRED FOR SOCIOLOGY MAJORS.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, ECONOMICS, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY AND SOCIAL WORK. THE CURRICULUM IN RUSSIAN LANGUAGE AND AREA STUDIES IS ALSO ACCEPTED AS A MINOR.

DEPARTMENTAL DISTINCTION--IN ORDER TO BE AWARDED DISTINCTION IN SOCIOLOGY AT GRADUATION, THE STUDENT MUST 1 -HAVE AT LEAST A 4.0 ALL UNIVERSITY GRADE POINT AVERAGE, 2 - MEET THE GENERAL REQUIREMENTS FOR A MAJOR IN SOCIOLOGY, AND, 3- IN ADDITON TO THE WORK DONE FOR THE MAJOR, EARN FOUR SEMESTER HOURS OF CREDIT BY ENROLLING IN ONE OR BOTH OF THE HONORS COURSES--SOC. 290-291.

COURSES FOR UNDERGRADUATES

SOC 100 INTRODUCTION TO SOCIOLOGY.
*CREDIT IS NOT GIVEN FOR BOTH SOC. 100 AND R. SOC. 117.
*3 HOURS
*STUDENTS IN LECTURE A MUST ELECT A QUIZ IN SECTION A. THOSE IN LECTURE B MUST ELECT A QUIZ IN SECTION B. THOSE IN LECTURE C MUST ELECT A QUIZ IN SECTION C.

06606	LECT	*A	1C	M	W	L H	THEATER		HULETT
06585	QUIZ	A1	10		F	340	L H		
06586	QUIZ	A2	1		F	340	L H		
06587	QUIZ	A3	9		F	340	L H		
06588	QUIZ	A4	8		F	340	L H		
06589	QUIZ	A5	1		TH	134	ARMORY		
06590	QUIZ	A6	9		TH	134	ARMORY		
06591	QUIZ	A7	2		TH	134	ARMORY		
06592	QUIZ	A8	9		S	326	L H		
06593	QUIZ	A9	10		S	326	L H		

SOC 100 CONTINUED

06607	LECT	•B	1	M W	213	G H		JOHNSON
06594	QUIZ	B1	1	F	134	ARMORY		
06595	QUIZ	B2	2	F	134	ARMORY		
06596	QUIZ	B3	8	F	134	ARMORY		
06597	QUIZ	B4	10	F	134	ARMORY		
06598	QUIZ	B5	8	TH	134	ARMORY		
06599	QUIZ	B6	10	TH	134	ARMORY		
06608	LECT	•C	2	M W	114	D K H		SCHNEIDER
06600	QUIZ	C1	2	F	314	L H		
06601	QUIZ	C2	10	F	331	G H		
06602	QUIZ	C3	1	F	331	G H		
06603	QUIZ	C4	9	S	340	L H		
06604	QUIZ	C5	10	S	340	L H		
06605	QUIZ	C6	11	S	340	L H		

SOC 104 COMMUNITY AND SOCIETY.
•CREDIT IS NOT GIVEN FOR BOTH SOC. 104 AND ANTH. 102 OR ANTH. 103.
•4 HOURS
•SECTIONS 6A6 AND 6B9 ARE FOR EDMUND J. JAMES SCHOLARS. OTHERS MAY BE ADMITTED WITH CONSENT OF THEIR ADVISERS.

06609	LECT	ATV	10	TU TH	201	E B		SCHNEIDER
		ATV	10	TU TH	205	E B		
		ATV	10	TU TH	209	E B		
		ATV	10	TU TH	119	D K H		
06610	QUIZ	A1	8	M W	1204	W OREGON		
06611	QUIZ	A2	8	M W	340	L H		
06612	QUIZ	A3	9	M W	1204	W OREGON		
06613	QUIZ	A4	9	M W	340	L H		
06614	QUIZ	A5	8	TU TH	340	L H		
06632	QUIZ	•6A6	9	TU TH	1204	W OREGON		
06615	QUIZ	A7	11	TU TH	326	L H		
06616	QUIZ	A8	11	TU TH	314	L H		
06617	QUIZ	A9	12	TU TH	340	L H		
06618	QUIZ	A10	1	TU TH	326	L H		
06619	QUIZ	A11	2	TU TH	314	L H		
06620	QUIZ	A12	3	TU TH	314	L H		
06621	LECT	BTV	1	TU TH	201	E B		SCHNEIDER
		BTV	1	TU TH	205	E B		
		BTV	1	TU TH	209	E B		
		BTV	1	TU TH	119	D K H		
06622	QUIZ	B1	8	M W	331	G H		
06623	QUIZ	B2	10	M W	340	L H		
06624	QUIZ	B3	11	M W	340	L H		
06625	QUIZ	B4	8	TU TH	326	L H		
06626	QUIZ	B5	9	TU TH	340	L H		
06627	QUIZ	B6	10	TU TH	314	L H		
06628	QUIZ	B7	10	TU TH	331	G H		
06629	QUIZ	B8	12	TU TH	326	L H		
06633	QUIZ	•6B9	2	TU TH	1204	W OREGON		
06630	QUIZ	B10	2	TU TH	326	L H		
06631	QUIZ	B11	3	TU TH	326	L H		

SOC 185 INTRODUCTION TO SOCIAL SCIENCE RESEARCH METHODS.
SAME AS ANTH. AND GEOG. 185.
PREREQUISITE--SOC. 100 OR CONSENT OF INSTRUCTOR OR SIX HOURS IN SOCIOLOGY, POLITICAL SCIENCE, ANTHROPOLOGY, OR GEOGRAPHY.
3 HOURS

06640	LECT-DISC	A	930-11	TU TH	318	L H		DICKMAN
06641	LECT-DISC	B	11-1220	TU TH	318	L H		SIMMONS

COURSES FOR ADVANCED UNDERGRADUATES

SOC 217 CULTURE PATTERNS AND THE INDIVIDUAL.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152--JUNIOR STANDING.
3 HOURS

06642	LECT-DISC	A	2	M W F	326	L H		HULETT

SOC 223 STRATIFICATION AND SOCIAL CLASSES .
PREREQUISITE--THREE HOURS OF SOCIOLOGY OR EIGHT HOURS OF SOCIAL SCIENCE.
3 HOURS

06643	LECT-DISC	A	3	M W F	326	L H		AGASSI

SOC 225 RACIAL AND CULTURAL MINORITIES.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152, JUNIOR STANDING.
3 HOURS
06644 LECT-DISC A 11 M W F 314 L H GLENN

SOC 228 SOCIOLOGY OF LEISURE.
PREREQUISITE--THREE HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS
06645 LECT-DISC A 3-420 TU TH 213 G H GRANA

SOC 276 SOCIOLOGY OF THE CITY.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152, JUNIOR STANDING.
3 HOURS
06646 LECT-DISC A 9 M W F 314 L H GLENN

SOC 290 HONORS.
PREREQUISITE--SENIOR STANDING.
2 HOURS
06647 CONF 6A ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOC 300 SOCIAL SYSTEMS AND INSTITUTIONS.
PREREQUISITE--SOC. 100, OR EIGHT HOURS IN SOCIAL SCIENCE, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06648 LECT-DISC A 3-420 M W 314 L H JOHNSON

SOC 311 SOCIOLOGY OF INTELLECTUAL LIFE.
PREREQUISITE--SOC. 100, OR EIGHT HOURS IN SOCIAL SCIENCE OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06649 LECT-DISC A 1-220 M W 340 L H GRANA

SOC 315 SOCIOLOGY OF EDUCATION.
SAME AS HP. ED. 315.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152.
3 HOURS, OR 1/2 OR 1 UNIT
06650 LECT-DISC A 9 M W F 326 L H GUSFIELD

SOC 318 INDUSTRY AND SOCIETY.
SAME AS L.I.R. 318.
PREREQUISITE--SENIOR STANDING, PSYCH. 100, SOC. 100, OR 104 AND 105, D.G.S. 151 AND 152, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06651 LECT-DISC A 1030-12 TU TH 340 L H PHILLIPS

SOC 321 FAMILY, KINSHIP, AND CRISIS.
PREREQUISITE--SOC. 185.
3 HOURS, OR 1/2 OR 1 UNIT
06652 LECT-DISC A 3-420PM TU TH 340 L H FARBER

SOC 322 SOCIOLOGY OF BUREAUCRACY AND ADMINISTRATIVE ORGANIZATION.
PREREQUISITE--NINE HOURS OF SOCIOLOGY INCLUDING SOC. 300, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06653 LECT-DISC A 11 M W F 326 L H PHILLIPS

SOC 323 THE SMALL SOCIAL GROUP.
PREREQUISITE--SOC. 100, OR R. SOC. 117.
3 HOURS, OR 1/2 OR 1 UNIT
06654 LECT-DISC A 7-10PM W 326 L H SIMMONS

SOC 324 PENOLOGY.
PREREQUISITE--SOC. 331.
3 HOURS, OR 1/2 OR 1 UNIT
06655 LECT-DISC A 930-11 TU TH 326 L H BORDUA

SOC 326 SOCIAL MOBILITY AND CLASS STRUCTURE.
PREREQUISITE--SOC. 223, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06656 LECT-DISC A 8 M W F 326 L H GLENN

SOC 331 CRIMINOLOGY.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D. G. S. 151 AND 152, JUNIOR STANDING, PRELEGAL JUNIORS MAY BE ADMITTED WITH CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06657 LECT-DISC A 3 M W F 223 G H CLARK

SOC 344 PUBLIC OPINION.
SAME AS COMM. 344.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152, JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
06658 LECT-DISC A 2 M W F 331 G H SIMON

SOC 350 SOVIET SOCIAL INSTITUTIONS.
PREREQUISITE--SOC. 100, OR CONSENT OF INSTRUCTOR.
PREREQUISITE WAIVED FOR MAJORS AND MINORS IN RUSSIAN LANGUAGE AND AREA STUDIES.
3 HOURS, OR 1/2 OR 1 UNIT
06659 LECT-DISC A 9 M W F 213 G H VUCINICH

SOC 369 INTRODUCTION TO HUMAN ECOLOGY.
SAME AS GEOG., ANTH., PHYSL., AND ZOOL. 369.
PREREQUISITE--ONE YEAR OF BIOLOGY AND ONE YEAR OF ANTHROPOLOGY, GEOGRAPHY, GEOLOGY, OR SOCIOLOGY.
*A TERM PAPER IS REQUIRED FOR CREDIT, DEPENDING UPON THE NATURE AND MAGNITUDE OF THIS PAPER THE CREDIT MAY BE 3 OR 5 HOURS.
*3 OR 5 HOURS, OR 1/2 OR 1 UNIT
06661 LECT-DISC A 11 M W F 229 N H B LAZERWITZ AND OTHERS

SOC 385 SOCIAL STATISTICS, I.
PREREQUISITE--SOC. 185, OR MATH. 172 OR 123, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
06662 LECT-DISC A 10-1120 M W 318 L H LAZERWITZ

SOC 386 METHODS OF FIELD RESEARCH.
PREREQUISITE--THREE HOURS IN ADVANCED COURSES IN SOCIOLOGY AND SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06663 LECT-DISC A 1-220 TU TH 340 L H SIMMONS

COURSES FOR GRADUATES

SOC 400 GENERAL SOCIOLOGY.
1 UNIT
06664 LECT-DISC A 3-5 M 348 L H SCHNEIDER

SOC 407 POPULATION STUDIES AND DEMOGRAPHIC ANALYSIS.
SAME AS R. SOC. 407.
PREREQUISITE--TWELVE HOURS OF SOCIAL SCIENCE AND INTRODUCTORY STATISTICS OR MAJOR IN SOCIOLOGY, OR CONSENT OF INSTRUCTOR
1 UNIT
06665 LECT-DISC A 2-4 W 405 M H FOLSE

SOC 412 SEMINAR IN SOCIAL AND CULTURAL RELATIONS OF PERSONALITY.
1 UNIT
06666 LECT-DISC A 1-3 TU 348 L H HULETT

SOC 421 SEMINAR ON RESEARCH IN MARRIAGE AND FAMILY LIFE.
PREREQUISITE--CONSENT OF THE INSTRUCTOR.
1 UNIT
06667 LECT-DISC A 10-12 TH 1204 W OREGON FARBER

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SOC   422     THEORY OF SOCIAL GROUPS.
        1 UNIT
      06668    LECT-DISC  A        1-3              F    348  L H            JOHNSON

SOC   431     SEMINAR IN CRIMINOLOGY.
        PREREQUISITE--SOC. 331 OR EQUIVALENT.
        1 UNIT
      06669    LECT-DISC  A        1-3       M          1204 W OREGON        CLARK

SOC   432     CRITIQUE OF RESEARCH IN JUVENILE DELINQUENCY.
        PREREQUISITE--SOC. 331 OR CONSENT OF INSTRUCTOR.
        1 UNIT
      06670    LECT-DISC  A        3-5            TH    1204 W OREGON        BORDUA

SOC   440     POLITICAL SOCIOLOGY.
        PREREQUISITE--SOC. 400 OR CONSENT OF INSTRUCTOR.
        1 UNIT
      06671    LECT-DISC  A        3-5          W       348  L H            GUSFIELD

SOC   450     PROBLEMS OF SOVIET SOCIETY IN TRANSITION.
        PREREQUISITE--CONSENT OF INSTRUCTOR.
        1 UNIT
      06660    LECT-DISC  A       10-12       TU       348  L H            VUCINICH

SOC   480     SOCIOLOGICAL THEORY AND METHOD.
        1 UNIT
      06672    LECT-DISC  A        3-5        TU       348  L H            GLASER

SOC   482     RECENT DEVELOPMENTS IN SOCIOLOGY.
        *STUDENTS MAY ACCUMULATE TWO UNITS.
        1 UNIT
      06673    LECT-DISC  A       10-12       M        348  L H            GRANA

SOC   485     THE SAMPLING OF HUMAN POPULATIONS AND SOCIAL ORGANIZATIONS.
              SAME AS PSYCH. 485.
        PREREQUISITE--SOC. 387 OR ECON. 371, OR CONSENT OF INSTRUCTOR.
        1 UNIT
      06674    LECT-DISC  A      130-3       M  W     318  L H            LAZERWITZ

SOC   487     SPECIAL PROBLEMS IN RURAL SOCIOLOGY.
              SAME AS R. SOC. 487.
        PREREQUISITE--ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY,
        CONSENT OF INSTRUCTOR.
        1/2 OR 1 UNIT
      06675    CONF             ARR                                          STAFF

SOC   490     INDIVIDUAL TOPICS IN SOCIOLOGY.
        1/2 TO 2 UNITS
      06676    CONF             ARR                                          STAFF

SOC   494     MULTIVARIATE ANALYSIS IN PSYCHOLOGY AND EDUCATION.
              SAME AS ED. PSY. AND PSYCH. 494.
        PREREQUISITE--PSYCH. 307 OR ED. PSY. 496, CONSENT OF INSTRUCTOR.
        1 UNIT
      06677    LECT-DISC  A        3-5          W       307  G H            TUCKER

SOC   499     THESIS RESEARCH.
        0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
      06678    CONF       A     ARR                                          STAFF
      06679    CONF       B     ARR                                          STAFF
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SPANISH

DEPARTMENT OFFICE 224 L H

MAJOR--TWENTY HOURS IN SPANISH, EXCLUDING SPANISH 101,102,103, 104, AND 115, AND INCLUDING AT LEAST EIGHT HOURS OF SPANISH FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. EITHER LING. 300, INTRODUCTION TO LINGUISTICS, OR LING. 302, COMPARATIVE LINGUISTICS, MAY BE COUNTED TOWARD THE MAJOR IN SPANISH. EITHER SOC.SCI. 101 OR 102, LATIN-AMERICAN CIVILIZATION, MAY BE COUNTED TOWARD THE MAJOR IN SPANISH AND IS REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN, EDUCATION, ENGLISH--EXCLUDING RHET. 101 AND 102--FRENCH, GERMAN, GREEK, HISTORY, ITALIAN, LATIN, LATIN-AMERICAN STUDIES, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, AND RUSSIAN.

COURSES FOR UNDERGRADUATES

SPAN 101 ELEMENTARY SPANISH, I.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR SPAN. 101 WITHOUT SPAN. 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TU. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7P.M., 8P.M.
*ALL STUDENTS ASSIGNED TO 101 ON THE BASIS OF THE PLACEMENT TEST MUST REGISTER IN SECTIONS *A1, *B1, *C1, *D1, *X1, *E1, *F1, *G1, *H1. ALL OTHER STUDENTS MUST REGISTER IN NON-STARRED SECTIONS.

06697	LECT-DISC	*A1	8	TUWTHF	108	L H
06680	LECT-DISC	A2	8	TUWTHF	217	G H
06681	LECT-DISC	A3	8	TUWTHF	4	G H
06682	LECT-DISC	A4	8	TUWTHF	230	L H
06698	LECT-DISC	*B1	9	TUWTHF	217	G H
06683	LECT-DISC	B2	9	TUWTHF	136	ARMORY
06699	LECT-DISC	*C1	10	TUWTHF	137	ARMORY
06684	LECT-DISC	C2	10	TUWTHF	230	L H
06700	LECT-DISC	*D1	11	TUWTHF	137	ARMORY
06685	LECT-DISC	D2	11	TUWTHF	216	L H
06686	LECT-DISC	D3	11	TUWTHF	431	ARMORY
06701	LECT-DISC	*X1	12	MTUWTH	170	L H
06687	LECT-DISC	X2	12	MTUWTH	217	G H
06688	LECT-DISC	X3	12	MTUWTH	230	L H
06689	LECT-DISC	X4	12	MTUWTH	108	L H
06702	LECT-DISC	*E1	1	MTUWTH	431	ARMORY
06690	LECT-DISC	E2	1	MTUWTH	136	ARMORY
06703	LECT-DISC	*F1	2	MTUWTH	431	ARMORY
06691	LECT-DISC	F2	2	MTUWTH	118	L H
06704	LECT-DISC	*G1	3	MTUWTH	137	ARMORY
06692	LECT-DISC	G2	3	MTUWTH	216	L H
06693	LECT-DISC	G3	3	MTUWTH	217	G H
06705	LECT-DISC	*H1	4	MTUWTH	170	L H
06694	LECT-DISC	H2	4	MTUWTH	216	L H
06695	LECT-DISC	H3	4	MTUWTH	4	G H
06696	LECT-DISC	H4	4	MTUWTH	274	L H

SPAN 102 ELEMENTARY SPANISH, II.
PREREQUISITE--SPAN. 101 OR ONE YEAR OF HIGH SCHOOL SPANISH.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
SECTION &S IS AN HONOR SECTION, OPEN ONLY TO JAMES SCHOLARS OR TO STUDENTS WHO HAVE RECEIVED A IN SPAN. 101.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--W. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7 P.M., 8 P.M.
*SECTIONS *A, *C, *X1, *X2, AND *E WILL MEET FIVE HOURS PER WEEK. ALL NEW AND TRANSFER STUDENTS AS WELL AS ALL STUDENTS ASSIGNED TO 102 ON THE BASIS OF THE PLACEMENT TEST MUST REGISTER IN THE STARRED SECTIONS. ALL OTHER STUDENTS MUST REGISTER IN NON-STARRED SECTIONS.

06712	LECT-DISC	*A	8	MTUWTHF	274	L H	
06706	LECT-DISC	B	9	TUWTHF	431	ARMORY	
06713	LECT-DISC	*C	10	MTUWTHF	217	G H	
06707	LECT-DISC	D	11	TUWTHF	136	ARMORY	
06714	LECT-DISC	*X1	12	MTUWTHF	102	L H	
06715	LECT-DISC	*X2	12	MTUWTHF	176	L H	
06716	LECT-DISC	*E	1	MTUWTHF	137	ARMORY	
06708	LECT-DISC	F	2	MTUWTH	176	L H	
06711	LECT-DISC	&S	2	MTUWTH	170	L H	
06709	LECT-DISC	G	3	MTUWTH	170	L H	
06710	LECT-DISC	H	4	MTUWTH	217	G H	

SPAN 103 INTERMEDIATE SPANISH, I.
PREREQUISITE--SPAN. 102 OR TWO YEARS OF HIGH SCHOOL SPANISH.
4 HOURS
SECTION &S IS AN HONOR SECTION, OPEN ONLY TO JAMES SCHOLARS OR TO STUDENTS WHO HAVE RECEIVED A IN SPAN. 102.
*SECTIONS *A1, *B1, *C1, *D, *X1, *F1 WILL MEET FIVE HOURS PER WEEK. ALL NEW AND TRANSFER STUDENTS AS WELL AS ALL STUDENTS ASSIGNED TO 103 ON THE BASIS OF THE PLACEMENT TEST MUST REGISTER IN THESE SECTIONS.

06728	LECT-DISC	*A1	8	MTUWTHF	170	L H	
06717	LECT-DISC	A2	8	TUWTHF	176	L H	
06729	LECT-DISC	*B1	9	MTUWTHF	170	L H	
06718	LECT-DISC	B2	9	TUWTHF	176	L H	
06730	LECT-DISC	*C1	10	MTUWTHF	431	ARMORY	
06719	LECT-DISC	C2	10	TUWTHF	4	G H	
06731	LECT-DISC	*D	11	MTUWTHF	217	G H	
06727	LECT-DISC	&S	11	TUWTHF	274	L H	
06732	LECT-DISC	*X1	12	MTUWTHF	274	L H	
06720	LECT-DISC	X2	12	MTUWTH	4	G H	
06721	LECT-DISC	E	1	MTUWTH	217	G H	
06733	LECT-DISC	*F1	2	MTUWTHF	217	G H	
06722	LECT-DISC	F2	2	MTUWTH	136	ARMORY	
06723	LECT-DISC	G1	3	MTUWTH	4	G H	
06724	LECT-DISC	G2	3	MTUWTH	176	L H	
06725	LECT-DISC	H1	4	MTUWTH	108	L H	
06726	LECT-DISC	H2	4	MTUWTH	176	L H	

SPAN 104 INTERMEDIATE SPANISH, II.
PREREQUISITE--SPAN. 103 OR THREE YEARS OF HIGH SCHOOL SPANISH.
4 HOURS
SECTION &S IS AN HONOR SECTION, OPEN ONLY TO JAMES SCHOLARS OR TO STUDENTS WHO HAVE RECEIVED A IN SPAN. 103.
*ALL NEW AND TRANSFER STUDENTS MUST REGISTER IN SECTION *B1 OR *X.

06734	LECT-DISC	A	8	TUWTHF	118	L H	SULLIVAN
06741	LECT-DISC	*B1	9	MTUWTHF	118	L H	SULLIVAN
06735	LECT-DISC	B2	9	TUWTHF	102	L H	
06740	LECT-DISC	&S	10	TUWTHF	170	L H	BLAYLOCK
06736	LECT-DISC	D	11	TUWTHF	108	L H	MEINHARDT
06742	LECT-DISC	*X	12	MTUWTHF	118	L H	BOUMA, F
06737	LECT-DISC	E	1	MTUWTH	111	G H	
06738	LECT-DISC	F	2	MTUWTH	108	L H	
06739	LECT-DISC	G	3	MTUWTH	118	L H	BOUMA, M

SPAN 115 ELEMENTARY COMPOSITION AND CONVERSATION.
PREREQUISITE--SPAN. 102 OR TWO YEARS OF HIGH SCHOOL SPANISH.
2 HOURS

06743	LECT-DISC	M	11	TU TH	102	L H

COURSES FOR ADVANCED UNDERGRADUATES

SPAN 211 INTERMEDIATE COMPOSITION AND CONVERSATION, I.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
3 HOURS

06744	LECT-DISC	A	8	M	W	F	102	L	H	
06745	LECT-DISC	B	9	M	W	F	4	G	H	
06746	LECT-DISC	C	10	M	W	F	370	L	H	
06747	LECT-DISC	D	11	M	W	F	4	G	H	
06748	LECT-DISC	E	1	M	W	F	176	L	H	
06749	LECT-DISC	F	2	M	W	F	230	L	H	
06750	LECT-DISC	G	3	M	W	F	230	L	H	

SPAN 212 INTERMEDIATE COMPOSITION AND CONVERSATION, II.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 211 OR EQUIVALENT.
3 HOURS

06751	LECT-DISC	B1	9	M	W	F	274	L	H	
06752	LECT-DISC	B2	9	M	W	F	137	ARMORY		
06753	LECT-DISC	F	2	M	W	F	137	ARMORY		

SPAN 213 ADVANCED COMPOSITION AND CONVERSATION, I.
PREREQUISITE--SPAN. 212 OR EQUIVALENT.
3 HOURS

06754	LECT-DISC	C	10	M	W	F	136	ARMORY		
06755	LECT-DISC	D	11	M	W	F	230	L	H	

SPAN 221 SPANISH DRAMA AND POETRY OF THE TWENTIETH CENTURY.
PREREQUISITE--SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
3 HOURS

06756	LECT-DISC	C	10	M	W	F	118	L	H		TESTA
06757	LECT-DISC	D	11	M	W	F	118	L	H		BALDWIN
06758	LECT-DISC	G	3	M	W	F	274	L	H		CROSBY

SPAN 222 SPANISH AMERICAN PROSE FICTION OF THE TWENTIETH CENTURY.
PREREQUISITE--SPAN. 221.
3 HOURS

06759	LECT-DISC	B	9	M	W	F	108	L	H		BLAYLOCK
06760	LECT-DISC	C	10	M	W	F	108	L	H		MEINHARDT

SPAN 231 COMMERCIAL SPANISH.
PREREQUISITE--SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
3 HOURS

06761	LECT-DISC	E	1	M	W	F	230	L	H	

SPAN 280 TEACHERS COURSE.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 222 OR 211 AND 212.
2 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

06762	LECT-DISC	*N	4-530	TU	TH		118	L	H	FLORES

SPAN 291 SENIOR THESIS.
FOR CANDIDATES FOR HONORS IN SPANISH.
2 HOURS

06763	CONF	&A	ARR							STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SPAN 305 ROMANTICISM AND REALISM IN NINETEENTH-CENTURY SPANISH LITERATURE.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT

06764	LECT-DISC	D	11	M	W	F	102	L	H	KRONIK
06765	LECT-DISC	E	1	M	W	F	118	L	H	KRONIK

SPAN 308 MODERNISMO AND CONTEMPORARY SPANISH AMERICAN POETRY.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT

06766	LECT-DISC C1	10	M W F	102	L H	FORSTER
06767	LECT-DISC C2	10	M W F	176	L H	LEAL

SPAN 311 DON QUIXOTE AND THE PROSE OF THE GOLDEN AGE.
PREREQUISITE--SPAN. 305, 306, 307, OR 308, OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT

06768	LECT-DISC	2	M W	274	L H	CROSBY

SPAN 314 SPANISH DRAMA AND POETRY OF THE GOLDEN AGE.
PREREQUISITE--SPAN. 305, 306, 307, OR 308, OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT

06769	LECT-DISC	3	TU TH	274	L H	CROSBY

SPAN 332 LA CULTURA HISPANICA--HISPANOAMERICA.
EITHER SPAN. 331 OR 332 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

06770	LECT-DISC *E1	1	M W F	274	L H	MORINIGO
06771	LECT-DISC *E2	1	M W F	102	L H	LEAL

SPAN 351 PHONETICS.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT

06772	LECT-DISC	9	TU TH	274	L H	FLORES

SPAN 352 SYNTAX.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT.

06773	LECT-DISC	9	TU TH	162	L H	BLAYLOCK

COURSES FOR GRADUATES

SPAN 405 SPANISH BIBLIOGRAPHY.
1/2 UNIT

06774	LECT-DISC	10	M	274	L H	ALLEN

SPAN 415 SPANISH LITERATURE IN THE SIXTEENTH CENTURY.
1 UNIT

06775	LECT-DISC	10	W F	274	L H	ALLEN

SPAN 417 SEVENTEENTH-CENTURY LITERATURE.
1 UNIT

06776	LECT-DISC	3	TU TH	230	L H	MORINIGO

SPAN 421 MODERN SPANISH NOVEL AND ESSAY.
1 UNIT

06777	LECT-DISC	10	TU TH	425A	LIB	SHOEMAKER

SPAN 423 MODERN SPANISH DRAMA
1 UNIT

06778	LECT-DISC	1	TU TH	118	L H	KRONIK

SPAN 432 SPANISH-AMERICAN POETRY--SOUTH AMERICA.
PREREQUISITE--SPAN. 307 AND 308 OR EQUIVALENT.
1 UNIT

06779	LECT-DISC	4	M W	230	L H	FORSTER

SPAN 436 SEMINAR IN SPANISH-AMERICAN NOVEL.
PREREQUISITE--SPAN. 433 OR 434.
1 UNIT

06780	LECT-DISC		2	TU TH	274 L H	LEAL

SPAN 445 SEMINAR IN 20TH CENTURY SPANISH LITERATURE.
PREREQUISITE--SPAN. 421 OR 422 OR 423 OR 424 OR EQUIVALENT.
1 UNIT

06781	LECT-DISC		11	TU TH	425A LIB	SHOEMAKER

SPAN 451 SURVEY OF CURRENT RESEARCH IN SPANISH LINGUISTICS.
1 UNIT

06782	LECT-DISC		9	TU TH	425A LIB	KAHANE

SPAN 453 HISTORY OF THE SPANISH LANGUAGE.
1 UNIT

06783	LECT-DISC		1	TU TH	274 L H	MORINIGO

SPAN 471 TEACHING COLLEGE SPANISH.
NO CREDIT

06784	LECT-DISC		1	TH	102 L H	FLORES

SPAN 491 SPECIAL TOPICS IN SPANISH.
1/2 OR 1 UNIT

06785	CONF		ARR			STAFF

SPAN 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

06786	CONF		ARR			ALLEN, CROSBY KAHANE, LEAL MORINIGO SHOEMAKER

SPECIAL EDUCATION

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

SP ED 117 EXCEPTIONAL CHILDREN.
PREREQUISITE--SOPHOMORE STANDING AND/OR PSYCH. 100.
3 HOURS

06787	LECT		1-3	TU	2	EDUC
06788	DISC	D	11	W	28	EDUC
06789	DISC	E	12	W	1	EDUC
06790	DISC	F	1	TH	162	EDUC
06791	DISC	G	2	TH	162	EDUC

COURSES FOR ADVANCED UNDERGRADUATES

SP ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

06792	CONF	EA	ARR			STAFF

SP ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

06793	CONF	EA	ARR			STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SP ED 316 THE GIFTED CHILD IN SCHOOL AND SOCIETY.
PREREQUISITE--ED. PSY. 211 OR EL. ED. 236.
3 HOURS, OR 1/2 OR 1 UNIT
06794 LECT-DISC 7-9PM TU 1 EDUC GALLAGHER

SP ED 318 WORKSHOP AND LABORATORY IN EDUCATION OF EXCEPTIONAL CHILDREN.
PREREQUISITE--CONSENT OF INSTRUCTOR.
4 TO 8 HOURS, OR 1 TO 2 UNITS
06795 LECT-DISC 3 M W F 389 EDUC JORDAN

SP ED 319 SPECIAL EDUCATION OF THE DEAF, I.
PREREQUISITE--CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 OR 1 1/2 UNITS
06796 LECT-DISC 1-3 M W F 28 EDUC W D PHILLIPS

SP ED 324 MENTAL AND EDUCATIONAL MEASUREMENT OF EXCEPTIONAL CHILDREN.
PREREQUISITE--SP. ED. 117, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06797 LECT-DISC 1-3 M W 385 EDUC

COURSES FOR GRADUATES

SP ED 417 PSYCHO-EDUCATIONAL PROBLEMS OF EXCEPTIONAL CHILDREN.
PREREQUISITE--SIXTEEN HOURS OF PSYCHOLOGY AND/OR EDUCATION, OR CONSENT OF INSTRUCTOR.
1 UNIT
06798 LECT-DISC 7-9PM M 1 EDUC R HENDERSON

SP ED 418 PROBLEMS IN COMMUNICATION FOR THE DEAF.
PREREQUISITE--SP. ED. 319 AND 320 OR EQUIVALENT.
1 UNIT
06799 LECT-DISC ARR QUIGLEY

SP ED 419 CLINICAL EDUCATIONAL DIAGNOSIS.
PREREQUISITE--ED. PSY. 311 AND 312, PSYCH. 443.
1 UNIT
06800 LECT-DISC 10-12 TU TH 33 EDUC S KIRK

SP ED 421 ADMINISTRATION AND SUPERVISION OF SPECIAL EDUCATION.
PREREQUISITE--SP. ED. 417, ED. AD. 460, AND CONSENT OF INSTRUCTOR.
FIELD TRIPS.
1 UNIT
06801 LECT-DISC 10-12 M 33 EDUC R HENDERSON

SP ED 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL CONSENT OF THE DEAN.
*1/2 OR 1 UNIT
06802 CONF ARR GRADUATE STAFF

SP ED 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.
1 OR 2 UNITS
06803 CONF ARR GALLAGHER

SP ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS
06804 CONF ARR GRADUATE STAFF

SP ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS
06805 CONF ARR GRADUATE STAFF

SPEECH AND THEATRE

DEPARTMENT OFFICE 133 L H

MAJOR--TWENTY HOURS IN SPEECH IN ADDITION TO SPCH. 101, 105, AND 141. AT LEAST FIVE OF THE TWENTY HOURS MUST BE IN COURSES NUMBERED 300 OR HIGHER, SPCH. 301 MUST BE INCLUDED. IN DECLARING A MAJOR IN SPEECH THE STUDENT MAY CHOOSE ONE OF THESE AREAS FOR EMPHASIS--GENERAL SPEECH, PUBLIC ADDRESS, INTERPRETATION, THEATRE, SPEECH SCIENCE AND PHONETICS, SPEECH CORRECTION AND AUDIOLOGY. THE STUDENT SHOULD REPORT TO 133 LINCOLN HALL TO BE ASSIGNED AN AREA ADVISOR WITH WHOM HE MAY CONFER CONCERNING REQUIRED AND RECOMMENDED COURSES.

MINORS--TWENTY HOURS IN ONE OR TWO COLLEGE OF LIBERAL ARTS AND SCIENCES DEPARTMENTS OR IN INTERDEPARTMENTAL PROGRAMS APPROVED BY THE COLLEGE. MINOR PROGRAMS OUTSIDE THE COLLEGE OF LIBERAL ARTS AND SCIENCES MAY BE ARRANGED WITH THE APPROVAL OF THE STUDENTS MAJOR ADVISER AND HIS DEPARTMENT HEAD. IF TWO MINOR SUBJECTS ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE INCLUDED IN EACH. A MINOR PROGRAM IN ENGLISH MAY NOT INCLUDE MORE THAN THREE HOURS IN LITERATURE COURSES OPEN TO FRESHMEN AND SOPHOMORES AND MAY NOT INCLUDE RHET. 101, 102, 151, 271, AND 272. NO LANGUAGE COURSES MAY SATISFY THE MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJORS OF THE LANGUAGE DEPARTMENTS.

TWO TEACHER-TRAINING CURRICULA ARE OFFERED IN SPEECH. SEE THE CURRICULUM PREPARATORY TO SPEECH CORRECTION WORK AND THE CURRICULUM PREPARATORY TO THE TEACHING OF SPEECH.

COURSES FOR UNDERGRADUATES

SPCH 101 PRINCIPLES OF EFFECTIVE SPEAKING.
- STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
- 3 HOURS
- SECTION &S1 IS RESERVED FOR SUPERIOR STUDENTS--INCLUDING JAMES SCHOLARS, BY DEPARTMENTAL PERMISSION.

06806	LECT-DISC	A1	8	M	W	F	140	L H
06807	LECT-DISC	A2	8	M	W	F	255	ARMORY
06808	LECT-DISC	A3	8	M	W	F	130	L H
06809	LECT-DISC	A4	8	M	W	F	160	ARMORY
06810	LECT-DISC	A5	8	M	W	F	132	L H
06811	LECT-DISC	B1	9	M	W	F	49	L I R
06812	LECT-DISC	B2	9	M	W	F	140	L H
06813	LECT-DISC	B3	9	M	W	F	132	L H
06814	LECT-DISC	B4	9	M	W	F	130	L H
06815	LECT-DISC	B5	9	M	W	F	255	ARMORY
06816	LECT-DISC	B6	9	M	W	F	242	M E B
06817	LECT-DISC	B7	9	M	W	F	145	L H
06818	LECT-DISC	C1	10	M	W	F	255	ARMORY
06819	LECT-DISC	C2	10	M	W	F	304	L H
06820	LECT-DISC	C3	10	M	W	F	145	L H
06821	LECT-DISC	C4	10	M	W	F	116	L H
06822	LECT-DISC	C5	10	M	W	F	130	L H
06823	LECT-DISC	C6	10	M	W	F	132	L H
06824	LECT-DISC	C7	10	M	W	F	242	M E B
06825	LECT-DISC	D1	11	M	W	F	130	L H
06826	LECT-DISC	D2	11	M	W	F	49	L I R
06827	LECT-DISC	D3	11	M	W	F	145	L H
06828	LECT-DISC	D4	11	M	W	F	132	L H
06829	LECT-DISC	D5	11	M	W	F	242	M E B
06830	LECT-DISC	X1	12	M	W	F	140	L H
06831	LECT-DISC	X2	12	M	W	F	304	L H
06832	LECT-DISC	X3	12	M	W	F	262	ARMORY
06833	LECT-DISC	X4	12	M	W	F	255	ARMORY
06834	LECT-DISC	E1	1	M	W	F	140	L H
06835	LECT-DISC	E2	1	M	W	F	116	L H
06836	LECT-DISC	E3	1	M	W	F	130	L H
06837	LECT-DISC	E4	1	M	W	F	242	M E B

SPCH 101 CONTINUED

06860	LECT-DISC	*ES1	2	M W F	132	L H		
06838	LECT-DISC	F1	2	M W F	242	M E B		
06839	LECT-DISC	F2	2	M W F	255	ARMORY		
06840	LECT-DISC	F3	2	M W F	116	L H		
06841	LECT-DISC	F4	2	M W F	140	L H		
06842	LECT-DISC	F5	2	M W F	130	L H		
06843	LECT-DISC	G1	3	M W F	255	ARMORY		
06844	LECT-DISC	G2	3	M W F	130	L H		
06845	LECT-DISC	G3	3	M W F	132	L H		
06846	LECT-DISC	G4	3	M W F	116	L H		
06847	LECT-DISC	H1	4	M W F	132	L H		
06848	LECT-DISC	H2	4	M W F	130	L H		
06849	LECT-DISC	K1	8-930	TU TH	132	L H		
06850	LECT-DISC	K2	8	TU	130	L H		
		K2	8-10	TH	130	L H		
06851	LECT-DISC	L1	9-1030	TU TH	242	M E B		
06852	LECT-DISC	L2	9	TU	145	L H		
		L2	8-10	TH	145	L H		
06853	LECT-DISC	L3	9-11	TU	130	L H		
		L3	10	TH	130	L H		
06854	LECT-DISC	M1	10-1130	TU TH	140	L H		
06855	LECT-DISC	M2	10	TU	132	L H		
		M2	10-12	TH	132	L H		
06856	LECT-DISC	P1	1-230	TU TH	242	M E B		
06857	LECT-DISC	P2	1-230	TU TH	116	L H		
06858	LECT-DISC	R1	2-330	TU TH	130	L H		
06859	LECT-DISC	R2	2-330	TU TH	132	L H		

SPCH 105 VOICE AND ARTICULATION.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

06861	LECT	1	11	M	304	L H		PADEN
06862	LECT	2	10	TU	304	L H		PADEN
06863	DISC	A	8	W F	145	L H		
06864	DISC	D	11	W F	304	L H		
06865	DISC	X	12	W F	145	L H		
06866	DISC	P	1	TU TH	145	L H		
06867	DISC	F	2	W F	145	L H		
06868	DISC	R	2	TU TH	145	L H		

SPCH 107 PARLIAMENTARY PROCEDURE.
2 HOURS

06869	LECT-DISC	L	9	TU TH	262	ARMORY		MURPHY
06870	LECT-DISC	R	2	TU TH	262	ARMORY		

SPCH 111 BUSINESS AND PROFESSIONAL SPEAKING.
PREREQUISITE--SPCH. 101.
2 HOURS

06871	LECT-DISC	K	8	TU TH	255	ARMORY		OLSON
06872	LECT-DISC	L	9	TU TH	255	ARMORY		OLSON
06873	LECT-DISC	M	10	TU TH	255	ARMORY		OLSON

SPCH 113 GROUP DISCUSSION AND CONFERENCE LEADERSHIP.
PREREQUISITE--SOPHOMORE STANDING. BY PERMISSION OF
THE HEAD OF THE DEPARTMENT THE PREREQUISITE MAY BE WAIVED FOR
SUPERIOR STUDENTS, INCLUDING JAMES SCHOLARS.
3 HOURS

06874	LECT-DISC	C	10	M W F	262	ARMORY		WENZEL
06875	LECT-DISC	D	11	M W F	262	ARMORY		SCHEIDEL

SPCH 121 ADVANCED PUBLIC SPEAKING--THE LOGICAL BASES OF DISCOURSE.
PREREQUISITE--SPCH. 101, SOPHOMORE STANDING. BY PERMISSION OF THE
HEAD OF THE DEPARTMENT THE PREREQUISITE MAY BE WAIVED FOR SUPERIOR
STUDENTS, INCLUDING JAMES SCHOLARS.
3 HOURS

06876	LECT-DISC	B	9	M W F	262	ARMORY		NADEAU
06877	LECT-DISC	F	2	M W F	262	ARMORY		WENZEL

SPCH 141 ORAL INTERPRETATION.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS
*SECTION &S IS RESERVED FOR SUPERIOR STUDENTS--INCLUDING JAMES SCHOLARS, BY DEPARTMENTAL PERMISSION.

06878	LECT-DISC	A1	8	M	W	F	49	L I R		
06879	LECT-DISC	A2	8	M	W	F	116	L H		
06880	LECT-DISC	B	9	M	W	F	208	E B		
06881	LECT-DISC	C1	10	M	W	F	140	L H		
06882	LECT-DISC	C2	10	M	W	F	49	L I R		
06883	LECT-DISC	D	11	M	W	F	208	E B		
06884	LECT-DISC	X1	12	M	W	F	130	L H		
06885	LECT-DISC	X2	12	M	W	F	132	L H		
06886	LECT-DISC	E1	1	M	W	F	132	L H		
06887	LECT-DISC	E2	1	M	W	F	49	L I R		
06895	LECT-DISC	*&S	2	M	W	F	208	E B		SLOAN
06888	LECT-DISC	G1	3	M	W	F	140	L H		
06889	LECT-DISC	G2	3	M	W	F	145	L H		
06890	LECT-DISC	K	8-10		TU		116	L H		
		K	8			TH	116	L H		
06891	LECT-DISC	M1	10		TU		49	L I R		
		M1	10-12			TH	49	L I R		
06892	LECT-DISC	M2	10-12		TU		262	ARMORY		
		M2	10			TH	262	ARMORY		
06893	LECT-DISC	N	11-1		TU		304	L H		
		N	11			TH	304	L H		
06894	LECT-DISC	P	1-3		TU		140	L H		
		P	1			TH	140	L H		

SPCH 151 RECREATIONAL DRAMATICS.
PREREQUISITE--SOPHOMORE STANDING.
*CREDIT IS NOT GIVEN FOR BOTH SPCH. 151 AND 203.
*3 HOURS

06896	LECT-DISC	M1	10-12	TU TH	L H THEATRE			
06897	LECT-DISC	M2	10-12	TU TH	160	ARMORY		

SPCH 157 ELEMENTS OF STAGECRAFT.
4 HOURS

06898	LECT-DISC	P	1-3	TU TH	L H THEATRE			WORKS

SPCH 161 FUNDAMENTALS OF ACTING.
PREREQUISITE--SPCH. 141.
3 HOURS

06899	LECT-DISC	C	10	M W F	160	ARMORY		
06900	LECT-DISC	E	1	M W F	160	ARMORY		ARBENZ
06901	LECT-DISC	P	1-230	TU TH	160	ARMORY		

SPCH 164 RADIO SPEAKING.
3 HOURS

06902	LECT-DISC	A	8-10	W	233	G H		WINDESHEIM
		A	8-10	F	1	G H		
06903	LECT-DISC	P	1-3	TU TH	255	ARMORY		WINDESHEIM

SPCH 178 THE ARTS OF THE THEATRE AND INTERPRETATIVE SPEECH.
4 HOURS

06904	LECT-DISC	E	1	M W F	304	L H		W SMALLEY AND
06905	QUIZ	P1	1	TU	304	L H		STAFF
06906	QUIZ	P2	1	TH	304	L H		

COURSES FOR ADVANCED UNDERGRADUATES

SPCH 203 DRAMATICS FOR TEACHERS.
*CREDIT IS NOT GIVEN FOR BOTH SPCH. 151 AND 203.
*3 HOURS

06907	LECT-DISC	D	11	M W F	L H THEATRE			RICHARDSON

SPCH 204 SPELCH FOR TEACHERS.
3 HOURS

06908	LECT-DISC	B	9	M W F	116	L H		BURNS

SPCH 208 CLASSROOM PROBLEMS IN SPEECH CORRECTION.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

06909	LECT-DISC	B	9	M W F	304	L H			GOOD

SPCH 221 ADVANCED PUBLIC SPEAKING--THE PSYCHOLOGICAL BASES OF DISCOURSE.
PREREQUISITE--SPCH. 101 AND JUNIOR STANDING.
3 HOURS

06910	LECT-DISC	D	11	M W F	116	L H			BROADRICK
06911	LECT-DISC	E	1	M W F	145	L H			NICHOLS

SPCH 243 ORAL INTERPRETATION OF SHAKESPEARE.
PREREQUISITE--SPCH. 141, JUNIOR STANDING.
2 HOURS

06912	LECT-DISC	M	10	TU TH	145	L H			LONG

SPCH 255 FUNDAMENTALS OF PLAY DIRECTING.
PREREQUISITE--SPCH. 161 OR EQUIVALENT.
3 HOURS

06913	LECT-DISC	D	11	M W F	160	ARMORY			ARBENZ

SPCH 261 ADVANCED ACTING.
PREREQUISITE--SPCH. 161, CONSENT OF INSTRUCTOR.
3 HOURS

06914	LECT-DISC	B	9	M W F	160	ARMORY			ARBENZ

SPCH 263 PLAYWRITING AND DRAMATIC STRUCTURE.
SAME AS RHET 263.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS

06915	LECT-DISC	R	2	TU	49	L I R			SMALLEY
		R	2-4	TH	49	L I R			

SPCH 264 RADIO AND TELEVISION PERFORMANCE.
SAME AS R. TV. 264.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS

06916	LAB-DISC	C	10-12	W	233	G H			
		C	10-12	F	TV BLDG				
06917	LAB-DISC	L	10-12	TU	233	G H			
		L	10-12	TH	TV BLDG				

SPCH 291 HONORS COURSE.
PREREQUISITE--SENIOR STANDING, A GRADE-POINT AVERAGE OF 4.0 OR CONSENT OF HEAD OF DEPARTMENT.
•STUDENTS MAY ACCUMULATE 4 HOURS.
•2 HOURS

06918	CONF	&	ARR						STAFF

SPCH 293 INDIVIDUAL TOPICS.
PREREQUISITE--TEN HOURS OF SPEECH, GRADE-POINT AVERAGE OF 3.75, CONSENT OF HEAD OF DEPARTMENT.
•STUDENTS MAY ACCUMULATE 4 HOURS.
•2 HOURS

06919	CONF	&	ARR						STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SPCH 301 GENERAL PHONETICS.
SAME AS LING. 301.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

06920	LECT-DISC		9	TU TH	304	L H			
06921	QUIZ	A	8	W	330	I H			
06922	QUIZ	B	9	W	330	I H			
06923	QUIZ	C	10	W	330	I H			
06924	QUIZ	E	1	W	330	I H			
06925	QUIZ	F	2	W	330	I H			
06926	QUIZ	G	3	W	330	I H			

SPCH 307 THE ART OF THE SCREEN--NARRATION.
SAME AS COMM. 307.
PREREQUISITE--TRAINING IN CRITICAL APPROACHES TO LITERATURE, DRAMA, ART, OR MUSIC, AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06927	LECT-DISC	G	3	M	W		304	L H		MUELLER
		G	3-5			F	304	L H		

SPCH 311 BRITISH PUBLIC ADDRESS.
3 HOURS, OR 1/2 OR 1 UNIT

06928	LECT-DISC	D	11	M	W	F	121	L H		MURPHY

SPCH 322 MODERN RHETORICAL THEORY.
PREREQUISITE--SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

06929	LECT-DISC	F	2	M	W	F	121	L H		NICHOLS

SPCH 342 ORAL INTERPRETATION OF POETRY.
PREREQUISITE--SPCH. 141.
3 HOURS, OR 1/2 OR 1 UNIT

06930	LECT-DISC	E	1	M	W	F	262	ARMORY		LONG

SPCH 345 CONTEMPORARY APPROACHES TO ORAL INTERPRETATION.
PREREQUISITE--SPCH. 141 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

06931	LECT-DISC	D	11	M	W	F	255	ARMORY		SLOAN

SPCH 352 THEORIES OF PLAY PRODUCTION.
3 HOURS, OR 1/2 OR 1 UNIT

06932	LECT-DISC	F	2	M	W	F	49	L I R		HEWITT

SPCH 353 CREATIVE DRAMATICS FOR CHILDREN.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

06933	LECT-DISC	F	2	M	W	F	160	ARMORY		

SPCH 355 ADVANCED PLAY DIRECTING.
PREREQUISITE--SPCH. 255 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

06934	LECT-DISC	F	2	M	W	F	L H THEATRE			BEHRINGER

SPCH 361 HISTORY OF THE EUROPEAN THEATRE TO THE RENAISSANCE.
3 HOURS, OR 1/2 OR 1 UNIT

06935	LECT-DISC	M	10-1130	TU TH			116	L H		SCOTT

SPCH 363 ADVANCED PLAYWRITING.
PREREQUISITE--SPCH. 263, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE SIX HOURS OR TWO UNITS.
*3 HOURS, OR 1/2 OR 1 UNIT

06936	LECT-DISC	G	3-6		W		49	L I R		SMALLEY

SPCH 371 HISTORY AND PRINCIPLES OF LITERARY AND RHETORICAL CRITICISM--ARISTOTLE TO SIDNEY.
SAME AS ENGL. 371.
PREREQUISITE--SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

06937	LECT-DISC	G	3	M	W	F	112	E B		HERRICK

SPCH 375 SPEECH SCIENCE, I.
SAME AS LING. 375.
PREREQUISITE--SPCH. 301, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06938	LECT-DISC	F	2	M	W	F	304	L H		ZEMLIN

SPCH 385 SPEECH CORRECTION.
PREREQUISITE--TEN HOURS OF SPEECH OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06939	LECT-DISC	B	9	M	W	F	104	SP CLINIC		ONEILL

SPCH 387 PRACTICUM IN SPEECH DIAGNOSIS AND THERAPY.
PREREQUISITE--SPCH. 386, A GRADE-POINT AVERAGE OF AT LEAST 3.5 AND CONSENT OF INSTRUCTOR.
*STUDENTS MAY REPEAT EITHER SPCH. 387 OR 398, BUT NOT BOTH, FOR 3 CREDIT HOURS.
*3 HOURS, OR 1/2 UNIT
06940 LECT-DISC F 2-4 M W F 106 SP CLINIC PETERSON

SPCH 391 INTRODUCTION TO HEARING DISORDERS.
PREREQUISITE--SPCH. 301 AND 375, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06941 LECT-DISC D 11 M W F 140 L H STARK

SPCH 393 AURAL REHABILITATION.
REQUIRED IN THE CURRICULUM OF TEACHER TRAINING IN SPEECH CORRECTION.
PREREQUISITE--SPCH. 391, A GRADE-POINT AVERAGE OF AT LEAST 3.5 AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06942 LECT-DISC B 9 M W F 106 SP CLINIC

SPCH 397 MEASUREMENT OF AUDITORY PERCEPTION.
PREREQUISITE--SPCH. 391.
3 HOURS, OR 1/2 OR 1 UNIT
06943 LECT-DISC E 1 M W F 106 SP CLINIC STARK

SPCH 398 PRACTICUM IN AUDIOLOGY.
PREREQUISITE--SPCH. 393.
*STUDENTS MAY REPEAT EITHER SPCH. 387 OR 398, BUT NOT BOTH, FOR 3 CREDIT HOURS.
*3 HOURS, OR 1/2 UNIT
06944 LECT-DISC ARR STARK

COURSES FOR GRADUATES

SPCH 403 SEMINAR FOR TEACHERS OF SPEECH.
1 UNIT
06945 LECT-DISC ARR BURNS

SPCH 411 THE GREEK TRADITION IN RHETORIC AND ORATORY.
1 UNIT
06946 LECT-DISC ARR NADEAU

SPCH 420 QUANTITATIVE METHODS IN RHETORICAL ANALYSIS.
PREREQUISITE--INTRODUCTORY COURSE IN STATISTICS AND CONSENT OF INSTRUCTOR.
1 UNIT
06947 LECT-DISC ARR SCHEIDEL

SPCH 423 THE RHETORIC OF ARISTOTLE.
1 UNIT
06948 LECT-DISC ARR WALLACE

SPCH 441 HISTORICAL BACKGROUND OF ORAL INTERPRETATION.
1 UNIT
06949 LECT-DISC ARR MURPHY

SPCH 451 PROBLEMS IN PLAY DIRECTING IN THE EDUCATIONAL THEATRE.
1 UNIT
06950 LECT-DISC ARR BEHRINGER

SPCH 465 SEMINAR IN THEATRE ART.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT
06951 LECT-DISC ARR HEWITT

SPCH 469 THE STAGE HISTORY OF CLASSIC ENGLISH PLAYS.
PREREQUISITE--ONE YEAR OF WORK IN DRAMATIC LITERATURE OR THEATRE HISTORY, CONSENT OF INSTRUCTOR.
1 UNIT
06952 LECT-DISC ARR SHATTUCK

SPCH 472 PSYCHOACOUSTICS OF SPEECH.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
06953 LECT-DISC ARR ONEILL

SPCH 475 EXPERIMENTAL PHONETICS, I.
SAME AS LING. 475.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
06954 LECT-DISC ARR ZEMLIN

SPCH 477 MEASUREMENT OF SPEECH, I.
SAME AS LING. 477.
PREREQUISITE--CONSENT OF INSTRUCTOR, CREDIT OR REGISTRATION IN SPCH. 475.
1 UNIT
06955 LECT-DISC ARR ZEMLIN

SPCH 486 ADVANCED CLINICAL TECHNIQUES IN SPEECH AND HEARING.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 4 UNITS
06956 LECT-DISC ARR ONEILL AND STAFF

SPCH 488 DIAGNOSIS OF SPEECH DISORDERS.
1 UNIT
06957 LECT-DISC ARR

SPCH 495 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF THE HEAD OF THE DEPARTMENT.
*OPEN TO MASTERS CANDIDATES FOR ONE UNIT, TO DOCTORS CANDIDATES FOR ONE OR TWO UNITS.
*1 OR 2 UNITS
06958 CONF ARR STAFF

SPCH 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
DIETER, GULLEY, HEWITT, MURPHY, NADEAU, NICHOLS, ONEILL, SCOTT, SHATTUCK, WALLACE, WINDESHEIM
06959 CONF ARR

THEORETICAL AND APPLIED MECHANICS

DEPARTMENT OFFICE 212 T L

COURSES FOR UNDERGRADUATES

T A M 150 ANALYTICAL MECHANICS--STATICS.
PREREQUISITE--PHYCS. 101 OR 106. REGISTRATION IN MATH. 142 OR

PREREQUISITE--T A M 171.

MATH. 143.
2 HOURS

06960	LECT-DISC	A	8	TU TH	302F	T L
06961	LECT-DISC	P	8	TU TH	313	T L
06962	LECT-DISC	Q	11	TU TH	306B	T L
06963	LECT-DISC	J1	1	TU TH	306B	T L
06964	LECT-DISC	T	1	TU TH	310	T L
06965	LECT-DISC	CH	2	TU TH	306B	T L
06966	LECT-DISC	J2	2	TU TH	313	T L
06967	LECT-DISC	R	3	TU TH	306B	T L
06968	LECT-DISC	B	4	TU TH	313	T L

A M 152 ENGINEERING MECHANICS, I--STATICS.
PREREQUISITE--PHYCS. 106 AND REGISTRATION IN MATH. 142 OR MATH. 143.
3 HOURS

06969	LECT-DISC	E	8	M	W	F	306B	T	L
06970	LECT-DISC	Z	9	M	W	F	306B	T	L
06971	LECT-DISC	F	10	M	W	F	306B	T	L
06972	LECT-DISC	G	2	M	W	F	306B	T	L

A M 154 ANALYTICAL MECHANICS--STATICS AND DYNAMICS.
PREREQUISITE--PHYCS. 101 OR 106. REGISTRATION IN MATH. 142 OR MATH. 143.
4 HOURS

06973	LECT-DISC	K1	8	MTU	THF		167	E	E B
06974	LECT-DISC	L1	9	MTU	THF		167	E	E B
06975	LECT-DISC	M1	10	MTU	THF		167	E	E B
06976	LECT-DISC	X	10	MTU	THF		102	WOODSHOP	
06977	LECT-DISC	N1	11	MTU	THF		167	E	E B
06978	LECT-DISC	K2	1	MTU	THF		167	E	E B
06979	LECT-DISC	L2	2	MTU	THF		167	E	E B
06980	LECT-DISC	M2	3	MTU	THF		310	T	L
06981	LECT-DISC	N2	4	MTU	THF		306B	T	L

A M 156 ANALYTICAL MECHANICS--STATICS AND DYNAMICS.
PREREQUISITE--PHYCS. 101 OR 106. REGISTRATION IN MATH. 142 OR MATH. 143.
5 HOURS

06982	LECT-DISC	V	8	MTUWTHF		310	T	L
06983	LECT-DISC	P	9	MTUWTHF		310	T	L
06984	LECT-DISC	J	2	MTUWTHF		302F	T	L
06985	LECT-DISC	W	3	MTUWTHF		313	T	L

A M 171 ELEMENTS OF MECHANICS.
PREREQUISITE--MATH. 122. FOR NONENGINEERING STUDENTS WHO DO NOT TAKE CALCULUS.
3 HOURS

06986	LECT-DISC	A	8	M	W	F	302F	T	L
06987	LECT-DISC	B	11	M	W	F	313	T	L
06988	LECT-DISC	C	1	M	W	F	310	T	L

A M 172 STRENGTH OF MATERIALS.
3 HOURS

06989	LECT-DISC	A	11	M	W	F	302F	T	L
06990	LECT-DISC	B	1	M	W	F	102	WOODSHOP	
06991	LECT-DISC	C	2	M	W	F	310	T	L
06992	LECT-DISC	D	3	M	W	F	104	WOODSHOP	

COURSES FOR ADVANCED UNDERGRADUATES

A M 211 ANALYTICAL MECHANICS--DYNAMICS.
PREREQUISITE--T.A.M. 150 OR EQUIVALENT. MATH. 142 OR MATH. 143.
3 HOURS

06993	LECT-DISC	P	8	M	W	F	305	T	L
06994	LECT-DISC	J1	9	M	W	F	302F	T	L
06995	LECT-DISC	T	10	M	W	F	302F	T	L
06996	LECT-DISC	Q	1	M	W	F	104	WOODSHOP	
06997	LECT-DISC	A	2	M	W	F	101	WOODSHOP	
06998	LECT-DISC	J2	2	M	W	F	305	T	L
06999	LECT-DISC	R	3	M	W	F	302F	T	L

A M 212 ENGINEERING MECHANICS, II--DYNAMICS.
PREREQUISITE--PHYCS. 107, T.A.M. 152, MATH. 143.
3 HOURS

07000	LECT-DISC	G	8-920	TU	TH		306B	T	L
07001	LECT-DISC	E	11	M	W	F	306B	T	L
07002	LECT-DISC	F	1	M	W	F	313	T	L

T A M 221 ELEMENTARY MECHANICS OF DEFORMABLE BODIES.
PREREQUISITE--T.A.M. 150 OR EQUIVALENT. MATH. 142 OR MATH. 143.
3 HOURS

07003	LECT-DISC	P	8	M	W	F	102	WOODSHOP	
07004	LECT-DISC	V	8	M	W	F	104	WOODSHOP	
07005	LECT-DISC	CH2	9	M	W	F	104	WOODSHOP	
07006	LECT-DISC	R	9	M	W	F	102	WOODSHOP	
07007	LECT-DISC	X	9	M	W	F	313	T L	
07008	LECT-DISC	CH1	10	M	W	F	104	WOODSHOP	
07009	LECT-DISC	E	10	M	W	F	313	T L	
07010	LECT-DISC	A	11	M	W	F	101	WOODSHOP	
07011	LECT-DISC	Q	11	M	W	F	102	WOODSHOP	
07012	LECT-DISC	T	11	M	W	F	104	WOODSHOP	
07013	LECT-DISC	J	1	M	W	F	302F	T L	
07014	LECT-DISC	B	2	M	W	F	104	WOODSHOP	
07015	LECT-DISC	S	2	M	W	F	313	T L	
07016	LECT-DISC	F	3	M	W	F	102	WOODSHOP	
07017	LECT-DISC	W	3	M	W	F	101	WOODSHOP	
07018	LECT-DISC	G	930-11	TU TH			306B	T L	

T A M 223 MECHANICAL BEHAVIOR OF SOLIDS.
PREREQUISITE--REGISTRATION IN T.A.M. 221.
1 HOUR
*REGISTRATION IN SECTION A AND SECTION P BY
SPECIAL PERMISSION.

07027	LAB	*A	1-3	M		225	T L	
07019	LAB	V1	3-5	TU		236	M E B	
07020	LAB	V2	3-5	TU		238	M E B	
07021	LAB	V3	3-5	TU		242	M E B	
07022	LAB	V4	3-5	TU		244	M E B	
07023	LAB	V5	3-5	TU		248	M E B	
07024	LAB	V6	3-5	TU		252	M E B	
07025	LAB	V7	3-5	TU		256	M E B	
07026	LAB	V8	3-5	TU		260	M E B	
07028	LAB	*P	10-12		TH	225	T L	

T A M 224 BEHAVIOR OF MATERIALS.
PREREQUISITE--T.A.M. 221.
3 HOURS

07029	LECT-DISC	E	8	M	W	F	225A	T L
07030	LECT-DISC	J1	10	M	W	F	225A	T L
07031	LECT-DISC	F	2	M	W	F	225A	T L
07032	LECT-DISC	G	3	M	W	F	225A	T L
07033	LECT-DISC	J2	3	M	W	F	225	T L

T A M 234 FLUID MECHANICS LABORATORY.
PREREQUISITE--CREDIT IN T.A.M. 232 OR EQUIVALENT.
1 HOUR

07034	LAB	H	1-3		TH	126	T L	

T A M 235 FLUID MECHANICS.
PREREQUISITE--T.A.M. 211 OR T.A.M. 212.
4 HOURS

07035	LECT-DISC	G	9	M	W	F	305	T L
		G	3-5		TH		126	T L
07036	LECT-DISC	J	10	M	W	F	305	T L
		J	10-12	TU			126	T L
07037	LECT-DISC	F	11	M	W	F	305	T L
		F	10-12		TH		126	T L
07038	LECT-DISC	T	1	M	W	F	305	T L
		T	3-5	TU			126	T L
07039	LECT-DISC	E	3	M	W	F	305	T L
		E	1-3	TU			126	T L

T A M 293 RESEARCH DEVELOPMENT AND DESIGN, I.
PREREQUISITE--SENIOR STANDING IN ENGINEERING MECHANICS.
1 HOUR

07040	LECT-DISC	Z	1-3	TH	225A	T L

T A M 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS

07041	CONF	&	ARR

T A M 297 HONORS SEMINAR.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
1 TO 4 HOURS
07042 CONF & ARR

T A M 299 THESIS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
3 HOURS
07043 CONF & ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

T A M 311 MECHANICAL VIBRATIONS.
PREREQUISITE--T A M 154 OR 156 OR 211 AND 221.
3 HOURS, OR 1/2 OR 1 UNIT
07044 LECT-DISC Z 1 M W F 306B T L

T A M 314 ADVANCED DYNAMICS FOR ENGINEERS.
PREREQUISITE--T.A.M. 211 OR EQUIVALENT, MATH. 341 OR 345.
3 HOURS, OR 1 UNIT
07045 LECT-DISC Z 11 M W F 310 T L

T A M 315 ADVANCED DYNAMICS WITH APPLICATIONS TO ENGINEERING PROBLEMS.
PREREQUISITE--T A M 314 OR EQUIVALENT.
3 HOURS, OR 1 UNIT
07046 LECT-DISC Z 2 M W F 102 WOODSHOP

T A M 321 ADVANCED MECHANICS OF DEFORMABLE BODIES.
PREREQUISITE--T A M 221 AND 223 OR 224.
3 HOURS, OR 1/2 OR 1 UNIT
07047 LECT-DISC P 3 M W F 306B T L

T A M 326 EXPERIMENTAL STRESS ANALYSIS.
PREREQUISITE--T A M 150, 211, 221, AND 223 OR 224.
3 HOURS, OR 1/2 OR 1 UNIT
07048 LAB-DISC Z 10-12 TU TH 302C T L

T A M 346 DIMENSIONAL ANALYSIS AND THEORY OF MODELS.
3 HOURS, OR 1/2 OR 1 UNIT
07049 LECT-DISC Z 4 M W F 310 T L

T A M 351 ADVANCED MECHANICS OF CONTINUOUS MEDIA.
PREREQUISITE--T.A.M. 221, MATH. 343, AND A COURSE IN DIFFERENTIAL EQUATIONS.
5 HOURS, OR 1 UNIT
07050 LECT-DISC Z 9 MTUWTHF 225A T L

COURSES FOR GRADUATES

T A M 400 SEMINAR IN ENGINEERING MECHANICS.
1/4 UNIT
07051 LECT-DISC ARR

T A M 416 ENERGY PRINCIPLES IN ENGINEERING MECHANICS.
PREREQUISITE--T.A.M. 451.
1 UNIT
07052 LECT-DISC 10 M W F 310 T L LANGHAAR

T A M 425 MECHANICS OF INELASTIC BODIES.
PREREQUISITE--T A M 321.
1/2 OR 1 UNIT
07053 LECT-DISC 1 M W F 302C T L SIDEBOTTOM
SMITH

T A M 427 THEORIES OF MECHANICAL PROPERTIES AND BEHAVIOR OF PLAIN CONCRETE.
PREREQUISITE--B.S. IN ENGINEERING.
1/2 OR 1 UNIT

07054	LECT-DISC	11	M W F	302C T L	KESLER

T A M 428 ANALYSIS OF NONLINEAR SYSTEMS.
SAME AS E. C. 428.
PREREQUISITE--MATH. 341 AND CONSENT OF INSTRUCTOR.
1 UNIT

07055	LECT-DISC	10	M W F	302C T L	WORLEY

T A M 431 THEORY OF IDEAL FLUID FLOW.
PREREQUISITE--ELEMENTARY COURSE IN FLUID FLOW, ADVANCED CALCULUS.
1 UNIT

07056	LECT-DISC	8-10	TU TH	305 T L	ROBERTSON

T A M 441 APPLIED ANALYSIS IN ENGINEERING, I.
PREREQUISITE--MATH. 143.
1 UNIT

07057	LECT-DISC	8	M W F	313 T L	COSTELLO

T A M 451 THEORY OF ELASTICITY WITH APPLICATION TO ENGINEERING PROBLEMS, I.
PREREQUISITE--MATH 343, MATH 341 OR EQUIVALENT.
1 UNIT

07058	LECT-DISC	10-12	TU TH	302F T L	MILLER, BORESI

T A M 457 CLASSICAL ELASTOSTATICS.
PREREQUISITE--T. A. M. 451 OR EQUIVALENT AND CONSENT OF INSTRUCTOR.
1 UNIT

07059	LECT-DISC	3	M W F	302C T L	STIPPES

T A M 493 ADVANCED INDEPENDENT STUDY--SPECIAL PROBLEMS.
1/2 TO 2 UNITS

07060	CONF	ARR	STAFF

T A M 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

07061	CONF	ARR	STAFF

URBAN PLANNING

DEPARTMENT OFFICE 205 M H

COURSES FOR UNDERGRADUATES

U P 171 PLANNING OF CITIES AND REGIONS.
3 HOURS

07062	LECT	9	M W F	62 K M	WETMORE

COURSES FOR ADVANCED UNDERGRADUATES

U P 260 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 TO 6 HOURS

07063	CONF	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

U P 337 URBAN PLANNING STUDIO, II.
PREREQUISITE--U. P. 236 OR CONSENT OF INSTRUCTOR.
6 HOURS, OR 1 TO 1 1/2 UNITS

07064	LECT		1	M W F	316N M H		STAFF
07065	LAB	A	11	M W F	200 M H		
		A	2-6	M W F	200 M H		

U P 351 HISTORY OF URBAN PLANNING.
PREREQUISITE--U.P. 171 OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT

07066	LECT		10	M W F	123 M H		STAFF

U P 376 PLANNING ANALYSIS.
PREREQUISITE--U.P. 171 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

07067	LECT		9	TU TH	123 M H		KEYES
			10	TH	123 M H		KEYES

U P 377 COMPREHENSIVE PLANNING PROCEDURE.
PREREQUISITE--U.P. 171.
3 HOURS, OR 1/2 UNIT

07068	LECT		10	TU	123 M H		GOODMAN
			11	TU TH	123 M H		GOODMAN

COURSES FOR GRADUATES

U P 437 ADVANCED URBAN PLANNING STUDIO.
PREREQUISITE--U.P. 337, 338 AND 374 OR CONSENT OF INSTRUCTOR.
1 TO 2 UNITS
*ADDITIONAL HOURS TO BE ARRANGED.

07069	LAB	A	*1-5	TU TH	1203 W CALIF		GOODMAN
07070	LAB	B	1-5	MTUWTHF	403 ARCH		KATZ

U P 487 SEMINAR.
PREREQUISITE--U.P. 374.
1/2 UNIT

07071	LECT-DISC		10-12	F	202 M H		STAFF

U P 488 URBAN PLANNING RESEARCH.
PREREQUISITE--U.P. 171 OR CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS

07072	CONF		ARR				STAFF

U P 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN URBAN PLANNING.
1/2 TO 2 UNITS

07073	CONF		ARR				STAFF

VETERINARY ANATOMY AND HISTOLOGY

DEPARTMENT OFFICE 341 V M

PROFESSIONAL COURSES

V A H 300 GROSS ANATOMY.
PREREQUISITE--REGISTRATION IN THE VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
5 HOURS

07074	LECT-DISC	A	9-12	M W FS	350 V M		ST CLAIR AND ASSISTANTS

V A H 301 MICROSCOPIC ANATOMY.
PREREQUISITE--REGISTRATION IN THE VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
5 HOURS

07075	LECT	A	1	M W F	334	V M	SAFANIE AND
07075	LAB	A	1-4	TU TH	334	V M	ASSISTANTS

V A H 308 HISTOLOGICAL AND HISTOCHEMICAL METHODS.
PREREQUISITE--V.A.H. 301 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 TO 5 HOURS

07076	LAB	A	ARR			V M	NORMANDIN

VETERINARY CLINICAL MEDICINE

DEPARTMENT OFFICE 103 S A C

PROFESSIONAL COURSES

V C M 360 DISEASES OF SMALL ANIMALS.
PREREQUISITE--THIRD-YEAR STANDING IN VETERINARY CURRICULUM.
5 HOURS

07077	LECT	A	8	MTUWTHF	V C S A		V C S A STAFF

V C M 361 GENERAL SURGERY.
PREREQUISITE--THIRD-YEAR STANDING IN VETERINARY CURRICULUM.
4 HOURS

07078	LECT	A	10	M W F	136	V M	HARDENBROOK,
07078	LAB	A	10-12	TU	V C S A		PHILLIPS

V C M 362 CLINICAL AND LABORATORY PRACTICE.
PREREQUISITE--THIRD YEAR STANDING IN VETERINARY CURRICULUM.
2 HOURS

07079	LAB-DISC	A	2-4	TU F	V C S A		BOLEY AND STAFF
		A	9-12	S	V C S A		

V C M 368 DISEASES OF LARGE ANIMALS.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM.
4 HOURS

07080	LECT	A	8	MTUWTH	158	V M	HATCH, BRODIE

V C M 369 DISEASES OF SMALL ANIMALS.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
2 HOURS

07081	LECT	A	9	TU TH	V C S A		V C S A STAFF

V C M 370 SEMINAR.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM.
1 HOUR

07082	LECT	A	10	M	150	V M	BOLEY

V C M 371 CLINICAL AND LABORATORY PRACTICE.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM.
8 HOURS

07083	LECT	A	11	MTUWTHF	150	V M	BOLEY AND STAFF
07083	LAB	A	8-12	S	V C S A		OF VCM AND VPH
		A	1-5	MTUWTHF	V C S A		

VETERINARY MEDICAL SCIENCE

DEPARTMENT OFFICE 131 V M

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

V M S 300 GROSS ANATOMY.
PREREQUISITE--FIVE HOURS OF ZOOLOGY, CONSENT OF INSTRUCTOR.
1 UNIT

07084	LECT-DISC	A	9-12	M W FS	350	V M	ST CLAIR

V M S 301 MICROSCOPIC ANATOMY.
PREREQUISITE--FIVE HOURS OF ZOOLOGY, CONSENT OF INSTRUCTOR.
1 UNIT

07085	LECT	A	1	M W F	334	V M	SABANIE
07085	LAB	A	1-4	TU TH	334	V M	

V M S 308 HISTOCHEMISTRY
PREREQUISITE--V.M.S. 301 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

07086	LAB	A	ARR				NORMANDIN

V M S 316 PHYSIOLOGY.
PREREQUISITE--COURSES TOTALING TWENTY SEMESTER HOURS IN CHEMISTRY OR ANIMAL BIOLOGY OR BOTH, CONSENT OF INSTRUCTOR.
1 UNIT

07087	LECT	A	8	TU TH	253	V M	LINK
		A	1	TU TH	253	V M	
07087	LAB	A	2-4	TU TH	266	V M	

V M S 320 PHARMACOLOGY AND TOXICOLOGY.
PREREQUISITE--V.M.S. 318 OR CONSENT OF INSTRUCTOR.
1 UNIT

07088	LECT	A	9	TU TH	253	V M	HUBER
		A	1	M W	253	V M	
07089	LAB		2-4	M W	266	V M	

V M S 332 VETERINARY MICROBIOLOGY AND IMMUNOLOGY.
PREREQUISITE--V.P.H. 331 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

07090	LECT	A	1	M W F	158	V M	HANSON, RHOAD
07090	LAB	A	2-4	M F	168	V M	

V M S 333 PROTOZOAN AND ARTHROPOD PARASITES.
PREREQUISITE--COURSES TOTALING TWENTY HOURS IN CHEMISTRY OR ANIMAL BIOLOGY, OR BOTH, CONSENT OF INSTRUCTOR.
3/4 UNIT

07091	LECT	A	9	TU TH	158	V M	MARQUARDT,
07091	LAB	A	2-5	W	168	V M	IVENS

V M S 334 GENERAL PATHOLOGY.
PREREQUISITE--COURSES TOTALING TWENTY-FIVE HOURS IN HISTOLOGY, PARASITOLOGY, PHYSIOLOGY, AND MICROBIOLOGY, AND CONSENT OF INSTRUCTOR.
1 UNIT

07092	LECT	A	8	M W F	136	V M	WATRACH
07092	LAB	A	9-11	M W F	132	V M	

V M S 369 INTRODUCTION TO HUMAN ECOLOGY.
AS GEOG., PHYSIOL., ANTHROPOL., ZOOL., AND SOC. 369.
PREREQUISITE--ONE YEAR OF BIOLOGY AND ONE YEAR OF ANTHROPOLOGY, GEOGRAPHY, GEOLOGY, OR SOCIOLOGY.
*A TERM PAPER IS REQUIRED FOR CREDIT, DEPENDING UPON THE NATURE AND MAGNITUDE OF THIS PAPER THE CREDIT MAY BE 3 OR 5 HOURS.
*3 OR 5 HOURS, OR 1/2 OR 1 UNIT
07093 LECT-DISC A 11 M W F 229 N H B LEVINE, SHIMKIN AND OTHERS

V M S 392 SPECIAL PROBLEMS.
PREREQUISITE--REGISTRATION IN VETERINARY CURRICULUM WITH GRADE POINT AVERAGE OF 3.5 OR ABOVE.
*STUDENTS MAY ACCUMULATE ONE UNIT.
*1/2 UNIT
07094 LAB &A ARR STAFF

COURSES FOR GRADUATES

V M S 417 MEDICAL MYCOLOGY.
PREREQUISITE--MCBIO. 326, V.M.S. 332, OR EQUIVALENT.
1 UNIT
07095 LAB-DISC A ARR RHOADES, WATRACH

V M S 418 CONCEPTS AND TOPICS IN IMMUNOLOGY.
PREREQUISITE--MCBIO. 327 OR EQUIVALENT AND CONSENT OF INSTRUCTOR.
1/2 UNIT
07096 LECT-DISC A ARR SEGRE

V M S 459 ADVANCED CORRELATIVE PATHOLOGY.
PREREQUISITE--V.M.S. 335, 308, 445, 450, OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
07097 LAB-DISC A ARR SIMON, WATRACH

V M S 460 ADVANCED VETERINARY PHYSIOLOGY.
PREREQUISITE--V.M.S. 315, 316, OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT
07098 LAB-DISC A ARR REBER

V M S 490 SEMINAR.
REQUIRED OF GRADUATE STUDENTS WHOSE MAJOR IS VETERINARY MEDICAL SCIENCE.
0 OR 1/4 UNIT
07099 DISC A 4 W 158 V M STAFF

V M S 491 THE EXPERIMENTAL METHOD IN VETERINARY RESEARCH.
1/2 UNIT
07100 LECT A ARR LEVINE

V M S 492 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 TO 1 UNIT
07101 LAB-DISC A ARR STAFF

V M S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
07102 LAB ARR STAFF

VETERINARY MEDICINE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

V M 392 SPECIAL PROBLEMS.
PREREQUISITE--PROFESSIONAL STANDING IN VETERINARY CURRICULUM AND GRADE POINT AVERAGE OF 3.5.
•STUDENTS MAY ACCUMULATE 6 HOURS, OR 1 UNIT
•3 HOURS, OR 1/2 UNIT

07103	LAB	&A	ARR				STAFF

VETERINARY PATHOLOGY AND HYGIENE

DEPARTMENT OFFICE 137 V M

COURSES FOR ADVANCED UNDERGRADUATES

V P H 205 ANIMAL HYGIENE.
PREREQUISITE--SOPHOMORE STANDING.
3 HOURS

07104	LECT	A	9	M W F	150	V M	PICKARD, WOOD

PROFESSIONAL COURSES

V P H 330 VETERINARY MEDICAL HISTORY AND ORIENTATION.
PREREQUISITE--FIRST YEAR STANDING IN VETERINARY CURRICULUM.
1 HOUR

07105	LECT	A	8	TU	150	V M	BRANDLY

V P H 332 VETERINARY MICROBIOLOGY AND IMMUNOLOGY.
PREREQUISITE--V.P.H. 331 OR CONSENT OF INSTRUCTOR.
4 HOURS

07106	LECT	A	1	M W F	158	V M	HANSON, RHOAD
07106	LAB	A	2-4	M F	168	V M	

V P H 333 PROTOZOAN AND ARTHROPOD PARASITES.
PREREQUISITE--SECOND-YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
3 HOURS

07107	LECT	A	9	TU TH	158	V M	MARQUARDT,
07107	LAB	A	2-5	W	168	V M	IVENS

V P H 334 GENERAL PATHOLOGY.
PREREQUISITE--SECOND YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
5 HOURS

07108	LECT	A	8	M W F	136	V M	REYNOLDS,
07108	LAB	A	9-11	M W F	132	V M	WATRACH

V P H 337 CLINICAL PATHOLOGY CONFERENCE.
PREREQUISITE--THIRD YEAR STANDING IN PROFESSIONAL CURRICULUM.
NO CREDIT

07109	DISC	A	10	TH	150	V M	SIMON

V P H 338 CLINICAL PATHOLOGY.
PREREQUISITE--THIRD YEAR STANDING IN VETERINARY CURRICULUM.
2 HOURS

07110	LECT	A	1	TU TH	158	V M	OLSEN
07110	LAB	A	2-4	TH	168	V M	

V P H 339 CLINICAL PATHOLOGY CONFERENCE.
PREREQUISITE--V.P.H. 337.
NO CREDIT

07111	DISC	A	10	TH	150	V M		SIMON

V P H 340 DISEASES OF POULTRY.
PREREQUISITE--FOURTH YEAR STANDING IN THE VETERINARY CURRICULUM, OR CONSENT OF INSTRUCTOR.
3 HOURS

07112	LECT	A	9	M W F	136	V M		ALBERTS

V P H 348 ENVIRONMENT AND DISEASE IN LIVESTOCK PRODUCTION.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY MEDICINE CURRICULUM OR CONSENT OF INSTRUCTOR.
2 HOURS

07113	LECT	A	10	TU F	158	V M		ALBERTS

VETERINARY PHYSIOLOGY AND PHARMACOLOGY

DEPARTMENT OFFICE 263 V M

COURSES FOR ADVANCED UNDERGRADUATES

V P P 202 PHYSIOLOGY OF DOMESTIC ANIMALS.
PREREQUISITE--CHEM. 101 OR 102 OR EQUIVALENT.
3 HOURS

07114	LECT	A	10	M W F	253	V M		HEMBROUGH

PROFESSIONAL COURSES

V P P 316 PHYSIOLOGY.
PREREQUISITE--V.P.P. 315 OR CONSENT OF INSTRUCTOR.
4 HOURS

07115	LECT	A	8	TU TH	253	V M		LINK
07116	LECT	A	1	TU TH	253	V M		
07117	LAB		2-4	TU TH	266	V M		

V P P 320 PHARMACOLOGY AND TOXICOLOGY.
PREREQUISITE--V.P.P. 318 OR CONSENT OF INSTRUCTOR.
4 HOURS

07118	LECT	A	9	TU TH	253	V M		HUBER
07119	LECT	A	1	M W	253	V M		
07120	LAB		2-4	M W	266	V M		

VOCATIONAL AND TECHNICAL EDUCATION

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

VOTEC 101 NATURE OF THE TEACHING PROFESSION.
2 HOURS
SECT G-AG & IND, SECT L-HOME EC.

07121	LECT-DISC	G	3	M F	28	EDUC		WARMBROD
07122	LECT-DISC	L	10	TU	25	EDUC		WHITMARSH
		L	10-12	TH	25	EDUC		WHITMARSH

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VOTEC 181     INTRODUCTORY WOODWORK.
        4 HOURS
        *SECTION A FOR STUDENTS IN OCCUPATIONAL THERAPY CURRICULUM.
      07124     LECT       *A        2          M  W  F    176  EDUC
      07124     LAB        *A        3-5        M  W  F     48A EDUC
      07123     LECT        B        8           TU TH     176  EDUC
      07123     LAB         B        9-12        TU TH      48A EDUC


VOTEC 188     GENERAL SHOP FOR ELEMENTARY AND SPECIAL EDUCATION TEACHERS.
        2 OR 3 HOURS
      07125     LECT        A        2           TU TH     176  EDUC
      07125     LAB         A        3-5         TU TH      48A EDUC
      07126     LECT        B        7PM         TU TH      28  EDUC
      07126     LAB         B        8-10PM      TU TH      48A EDUC


VOTEC 189     INDUSTRIAL PRACTICES.
        PREREQUISITE--SOPHOMORE STANDING, ENROLLMENT IN INDUSTRIAL
        EDUCATION OPTIONS II AND III.
        *STUDENTS MAY ACCUMULATE SEVENTEEN HOURS.
        *2 OR 3 HOURS
      07127     PRACT              ARR


                          COURSES FOR ADVANCED UNDERGRADUATES


VOTEC 240     PRINCIPLES OF SECONDARY EDUCATION.
        PREREQUISITE--VOTEC. 101, PSYCH. 100.
        2 HOURS
        *SECTION G--AGR, IND, BUS ED
        *SECTION E--HOME EC
      07128     LECT-DISC *G       3          M     F     33  EDUC            FULLER
      07129     LECT-DISC *E       1             W  F     25  EDUC            SPITZE


VOTEC 249     INDEPENDENT STUDY.
        PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE
        POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES
        THE WORK.
        2 HOURS
      07130     CONF       &A      ARR                                       STAFF


VOTEC 275     SUMMER EXPERIENCE IN AGRICULTURAL EDUCATION.
        PREREQUISITE--HP. ED. 201.
        2 OR 3 HOURS.
      07131     PRACT              ARR                                       FULLER


VOTEC 276     STUDENT TEACHING IN VOCATIONAL AGRICULTURE.
        PREREQUISITE--HP. ED. 201, ED. PSY. 211, VO. TEC. 240, OR CONCURRENT
        ENROLLMENT IN VO. TEC. 277.
        5 HOURS
      07132     PRACT              ARR                                       FULLER, HEMP,
                                                                             KREBS, WARMBR
VOTEC 277     PROGRAMS AND PROCEDURES IN AGRICULTURAL EDUCATION.
        PREREQUISITE--HP. ED. 201, ED. PSY. 211, VOTEC. 240, OR CONCURRENT
        ENROLLMENT IN VO. TEC. 276.
        5 HOURS
        *FIELD TRIPS WILL BE MADE ON WEDNESDAY.  WILL NOT MEET DURING 6-WEEK
        STUDENT TEACHING.
      07133     LECT-DISC          8-10       MTU THF    28  EDUC            HEMP
      07133     LAB                8-5PM         W      ARR


VOTEC 278     VOCATIONAL EDUCATION IN HOME ECONOMICS FOR ADULTS.
        PREREQUISITE--SENIOR STANDING, REGISTRATION IN SE. ED. 241 AND
        ED. PR. 242.
        3 HOURS
        *WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
      07134     LECT-DISC         *9          MTUWTHF    22  EDUC            SPITZE


VOTEC 284     ADVANCED METALWORK.
        PREREQUISITE--VO. TEC. 183.
        4 HOURS
      07135     LECT               2          M  W  F   162  EDUC
      07135     LAB                3-5        M  W       38  EDUC
                                   3                F     38  EDUC
```

VOTEC 285 GENERAL ELECTRICITY.
PREREQUISITE--VO. TEC. 183.
3 HOURS

07136	LECT	1	TU TH	25	EDUC	
07136	LAB	2-4	TU TH	38	EDUC	

VOTEC 287 GENERAL ELECTRONICS.
PREREQUISITE--VO. TEC. 285.
3 HOURS

07137	LECT	4	TU TH	28	EDUC	
07137	LAB	2-4	TU TH	38	EDUC	

VOTEC 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

07138	CONF	&A	ARR			STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

VOTEC 384 THE GENERAL SHOP PROGRAM.
PREREQUISITE--SIXTEEN HOURS IN VOCATIONAL AND TECHNICAL EDUCATION.
4 HOURS, OR 1 UNIT
WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

07139	LECT	8	M W	2	EDUC	
		9	F	2	EDUC	
07139	LAB	9-12	M W	38	EDUC	
		10-12	F	38	EDUC	

COURSES FOR GRADUATES

VOTEC 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL CONSENT OF THE DEAN.
*1/2 OR 1 UNIT

07140	CONF	ARR				GRADUATE STAFF

VOTEC 456 PROBLEMS AND TRENDS IN SPECIALIZED FIELDS OF SECONDARY EDUCATION.
1 UNIT
*FOR HOME EC.

07141	LECT-DISC *	7-9PM	W	25	EDUC	E SIMPSON

VOTEC 471 POLICY AND POLICY MAKING FOR PUBLIC SCHOOL EDUCATION IN AGRICULTURE.
PREREQUISITE--VO. TEC. 276 AND 277. OPEN TO SCHOOL ADMINISTRATORS WITHOUT PREREQUISITES.
1/2 UNIT

07142	LECT-DISC	7-9PM	M	28	EDUC	PHIPPS

VOTEC 482 RESEARCH STUDIES IN INDUSTRIAL EDUCATION.
1 UNIT

07143	LECT-DISC	7-9PM	TU	33	EDUC	R EVANS, PHIPPS, E SIMPSON

VOTEC 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.
1 OR 2 UNITS

07144	CONF	ARR				GRADUATE STAFF

VOTEC 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

07145	CONF	ARR				GRADUATE STAFF

VOTEC 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

07146	CONF	ARR				GRADUATE STAFF

ZOOLOGY

DEPARTMENT OFFICE 345 N H

MAJOR--TWENTY HOURS IN ZOOLOGY, EXCLUDING ZOOL. 101, 104, 106 107, BIOL. 151, D G S 131 AND 132, AND BIOL. 101 AND 102 AT NAVY PIER. AT LEAST ONE COURSE MUST BE TAKEN IN EACH OF THE FOLLOWING AREA-GROUPS OF COURSES--

GENETICS AND DEVELOPMENT--ZOOL. 210, 333, 367
CELLULAR AND PHYSIOLOGICAL ZOOLOGY--ZOOL. 301, 302, 312, 334
ECOLOGY AND BEHAVIOR--ZOOL. 342, 343, 345, 346, 369
MORPHOLOGY AND SYSTEMATICS--ZOOL. 132, 142, 304, 305, 318, 320, 321, 324, 332, 335, 336, 337, 338, 340, 344

BIOL. 203, 204, 251, 351, AND ALL 200-, 300-, AND 400-LEVEL ZOOLOGY COURSES, EVEN IF NOT INCLUDED IN THE PRECEDING AREA LISTS, AUTOMATICALLY COUNT TOWARD THE TWENTY HOURS. ALSO REQUIRED ARE ONE YEAR OF PHYSICS, CHEMISTRY THROUGH ORGANIC, AND MATHEMATICS THROUGH ANALYTIC GEOMETRY WITH CALCULUS HIGHLY RECOMMENDED. ALSO HIGHLY RECOMMENDED IS ONE COURSE IN GENERAL BOTANY, MICROBIOLOGY, OR GEOLOGY. THESE REQUIREMENTS ARE EFFECTIVE FOR ALL UNDERGRADUATE STUDENTS ENTERING THE UNIVERSITY AFTER SEPTEMBER 1963.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANIMAL SCIENCE, TO BE CHOSEN FROM COURSES 100, 110, 230, 305 OR 330, ANTHROPOLOGY, BOTANY, CHEMISTRY, EDUCATION, ENTOMOLOGY, GEOGRAPHY, GEOLOGY, MATHEMATICS, MICROBIOLOGY, PHYSICS, PHYSIOLOGY, AND PSYCHOLOGY.

COURSES FOR UNDERGRADUATES

NOTE--D G S 131 AND 132 OR BIOL. 151 AND 251 MAY BE SUBSTITUTED FOR ZOOL. 101 OR 104 WHEREVER EITHER OF THE LATTER CONSTITUTES A PREREQUISITE.

ZOOL 101 GENERAL ZOOLOGY.
FIELD TRIP.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.
•5 HOURS
•SECTION &S IS RESERVED FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

07147	LECT	1	9	M W	228	N H B	GREENBERG, LONG
07148	LECT	2	3	M W	228	N H B	AND STAFF
07149	LAB-DISC	A	8-10	M W F	309	N H B	
07150	LAB-DISC	B	8-10	M W F	313	N H B	
07151	LAB-DISC	D	10-12	M W F	309	N H B	
07152	LAB-DISC	E	10-12	M W F	313	N H B	
07153	LAB-DISC	G	1-3	M W F	309	N H B	
07154	LAB-DISC	H	1-3	M W F	313	N H B	
07155	LAB-DISC	K	8-10	TU TH S	309	N H B	
07156	LAB-DISC	L	8-10	TU TH S	313	N H B	
07157	LAB-DISC	M	10-12	TU TH S	309	N H B	
07158	LAB-DISC	N	10-12	TU TH S	313	N H B	
07162	LAB-DISC	•&S	1-4	TU TH	309	N H B	
07159	LAB-DISC	Q	1-4	TU TH	313	N H B	
07160	LAB-DISC	P	3-5	M W F	309	N H B	
07161	LAB-DISC	T	3-5	M W F	313	N H B	

ZOOL 104 ELEMENTARY ZOOLOGY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

07163	LECT	A	9	TU TH	112	G H			INGLE, LONG AND
07164	LECT	B	3	TU TH	112	G H			STAFF
07165	LAB-DISC	1	8-10	M W	315	N H B			
07166	LAB-DISC	2	8-10	M W	418	N H B			
07167	LAB-DISC	3	8-10	M W	422	N H B			
07168	LAB-DISC	4	10-12	M W	315	N H B			
07169	LAB-DISC	5	10-12	M W	418	N H B			
07170	LAB-DISC	6	10-12	M W	422	N H B			
07171	LAB-DISC	7	1-3	M W	315	N H B			
07172	LAB-DISC	8	1-3	M W	418	N H B			
07173	LAB-DISC	9	1-3	M W	422	N H B			
07174	LAB-DISC	10	3-5	M W	315	N H B			
07175	LAB-DISC	11	3-5	M W	418	N H B			
07176	LAB-DISC	12	3-5	M W	422	N H B			
07177	LAB-DISC	13	8-10	TU TH	315	N H B			
07178	LAB-DISC	14	8-10	TU TH	418	N H B			
07179	LAB-DISC	15	8-10	TU TH	422	N H B			
07180	LAB-DISC	16	10-12	TU TH	315	N H B			
07181	LAB-DISC	17	10-12	TU TH	418	N H B			
07182	LAB-DISC	18	10-12	TU TH	422	N H B			
07183	LAB-DISC	19	1-3	TU TH	315	N H B			
07184	LAB-DISC	20	1-3	TU TH	418	N H B			
07185	LAB-DISC	21	1-3	TU TH	422	N H B			
07186	LAB-DISC	22	3-5	TU TH	315	N H B			
07187	LAB-DISC	23	3-5	TU TH	418	N H B			
07188	LAB-DISC	24	3-5	TU TH	422	N H B			
07189	LAB-DISC	25	8-12	F	315	N H B			
07190	LAB-DISC	26	8-12	F	418	N H B			
07191	LAB-DISC	27	8-12	F	422	N H B			
07192	LAB-DISC	28	1-5	F	315	N H B			
07193	LAB-DISC	29	1-5	F	418	N H B			
07194	LAB-DISC	30	1-5	F	422	N H B			

ZOOL 106 PRINCIPLES OF HEREDITY.
PREREQUISITE--SOPHOMORE STANDING.
3 HOURS

07195	DISC		9	M W F	229	N H B			KITZMILLER

ZOOL 132 COMPARATIVE VERTEBRATE ANATOMY.
PREREQUISITE--ZOOL. 101 OR ONE YEAR OF GENERAL BIOLOGY--SUCH AS BIOLOGICAL SCIENCE OR THE BOTANY-ZOOLOGY SEQUENCE, A GRADE OF C IN ZOOL. 101 IS REQUIRED OF FRESHMEN.
*CREDIT IS NOT GIVEN FOR BOTH ZOOL. 132 AND 142.
*5 HOURS

07196	LECT		10	M W F	228	N H B			SMITH
07197	LAB-DISC	A	8-10	M W F	330	N H B			
07198	LAB-DISC	B	11-1	M W F	330	N H B			
07199	LAB-DISC	C	1-3	M W F	330	N H B			
07200	LAB-DISC	D	3-5	M W F	330	N H B			
07201	LAB-DISC	E	7-9PM	M W F	330	N H B			
07202	LAB-DISC	F	8-11	TU TH	330	N H B			
07203	LAB-DISC	G	11-2	TU TH	330	N H B			

ZOOL 142 PRINCIPLES OF VERTEBRATE MORPHOLOGY.
PREREQUISITE--ZOOL. 101, OR EQUIVALENT WITH CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH ZOOL. 132 AND 142.
*5 HOURS

07204	LECT		2	M W F	140	BUR HALL			BOCK
07205	LAB	A	3-5	M W F	326A	N H B			
07206	LAB	B	10-12	M W F	326A	N H B			

ZOOL 210 GENETICS.
SAME AS BOT. 210.
PREREQUISITE--BOT. 100 AND ZOOL. 101 OR CONSENT OF INSTRUCTOR.
4 HOURS

07207	LECT		2	M W F	124	BUR HALL			KITZMILLER,
07208	LAB-DISC	1	8-10	TU	405	N H B			LUCE, LAUGHNAN,
07209	LAB-DISC	2	8-10	W	405	N H B			NANNEY
07210	LAB-DISC	3	10-12	W	405	N H B			
07211	LAB-DISC	4	8-10	TH	405	N H B			
07212	LAB-DISC	5	8-10	F	405	N H B			
07213	LAB-DISC	6	10-12	F	405	N H B			

ZOOL 300 GENERAL SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS BUT ALSO OPEN TO SENIORS WHOSE MAJOR IS ZOOLOGY.
NO CREDIT
ATTENTION IS ALSO CALLED TO THE FOLLOWING SPECIAL CLUBS AND SEMINARS
ANIMAL ECOLOGY CLUB. 5 PM W, 302 VIVARIUM.
GENETICS SEMINAR--INTERDEPARTMENTAL. 4 PM, FIRST AND THIRD, MONDAYS, 341 A S L.
ENDOCRINOLOGY SEMINAR--INTERDEPARTMENTAL. FOR TOPICS, TIME, AND PLACE, SEE UNIVERSITY CALENDAR.
PARASITOLOGY-PROTOZOOLOGY SEMINAR. SECOND TUESDAYS, 7.30 P M. 167 VET MED.
FOR DETAILS, SEE UNIVERSITY CALENDAR.

07214	DISC		4	TU	124	BUR HALL	

ZOOL 301 GENERAL PHYSIOLOGY.
SAME AS PHYSL. 301.
PREREQUISITE--ONE YEAR EACH OF COLLEGE LEVEL BIOLOGY, MATHEMATICS AND PHYSICS, AND CHEMISTRY THROUGH ORGANIC.
5 HOURS, OR 1 UNIT

07215	LECT		10	M W F	124	BUR HALL	ANDERSON
07216	LAB	1	1-5	M	542	BUR HALL	
07217	LAB	2	1-5	TU	542	BUR HALL	
07218	LAB	3	1-5	W	542	BUR HALL	
07219	LAB	4	1-5	TH	542	BUR HALL	
07220	LAB	5	1-5	F	542	BUR HALL	
07221	LAB	6	8-12	TU	542	BUR HALL	
07222	LAB	7	8-12	TH	542	BUR HALL	

ZOOL 303 INDIVIDUAL TOPICS.
PREREQUISITE--TWO YEARS OF ZOOLOGY, SENIOR STANDING, APPROVAL OF DEPARTMENT.
2 TO 5 HOURS, OR 1/2 OR 1 UNIT

07223	CONF	&A	ARR				STAFF

ZOOL 304 FIELD AND SYSTEMATIC ZOOLOGY.
PREREQUISITE--ONE YEAR OF ZOOLOGY OR EQUIVALENT, SENIOR STANDING OR CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

07224	LECT		1	TU TH	247	N H B	MATTESON
07225	LAB	A	8-11	TU TH	420	N H B	
07226	LAB	B	2-5	TU TH	420	N H B	

ZOOL 306 BIOLOGY FOR TEACHERS.
SAME AS BOT. 306.
PREREQUISITE--BOT. 100, ZOOL. 101 OR 104, OR A ONE-YEAR COURSE IN GENERAL BIOLOGY, JUNIOR STANDING, EXPECTATION OF TEACHING.
FIELD TRIPS ADJUSTED TO PRACTICE TEACHING. 2 TO 4 HOUR TRIPS ON SATURDAY.
*4 ADDITIONAL CLASS MEETINGS TO BE ARRANGED.

07227	LECT		3-5	TH	153	N H B	STEWART
07227	LAB-DISC		3-5	TU F	153	N H B	

ZOOL 312 ENDOCRINOLOGY.
SAME AS PHYSL. 312.
PREREQUISITE--ZOOL. 301 OR PHYSL. 301 OR A COURSE IN BIOCHEMISTRY, CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

07228	LECT		11	M W F	140	BUR HALL	GORSKI
07229	LAB	1	8-12	TU	417	BUR HALL	
07230	LAB	2	8-12	TH	417	BUR HALL	

ZOOL 318 PROTOZOOLOGY.
PREREQUISITE--ONE YEAR OF ZOOLOGY OR EQUIVALENT.
5 HOURS, OR 1 UNIT

07231	LECT		1	M W	247	N H B	CORLISS
07232	LAB	A	2-5	M W	316	N H B	
07233	LAB	B	9-12	M W	316	N H B	

ZOOL 455 ADVANCED GENETICS.
1 UNIT

07260	LECT-DISC	8	TU TH	314	N H B		LUCE

ZOOL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

ANATOMY, PHYSIOLOGY, AND GENERAL CLASSIFICATION OF VERTEBRATES--

VERTEBRATE ANATOMY	BADER, SMITH, BOCK
ENDOCRINOLOGY	HALL, NALBANDOV
HISTOLOGY	ADAMSTONE
ULTRASTRUCTURE	HALL
FUNCTIONAL ANATOMY	BOCK
VERTEBRATE PHYSIOLOGY	PROSSER

ANATOMY, PHYSIOLOGY, AND GENERAL CLASSIFICATION OF INVERTEBRATES--

HELMINTHOLOGY	KRUIDENIER, SILVERMAN
INVERTEBRATE ZOOLOGY	GREENBERG, MATTESON
INVERTEBRATE PHYSIOLOGY	GREENBERG, PROSSER,
PARASITOLOGY	KRUIDENIER, SILVERMAN
PROTOZOOLOGY	CORLISS

EMBRYOLOGY AND BASIC KNOWLEDGE OF CELLS AND TISSUES--

CYTOLOGY	ADAMSTONE, DAVENPORT
EMBRYOLOGY AND REGENERATION	DAVENPORT, MOYER, WATTERSON
TOXICOLOGY	INGLE

PRINCIPLES OF ECOLOGY, PRINCIPLES OF TAXONOMY, NATURAL HISTORY--

ECOLOGY	KENDEIGH
ETHOLOGY	BARLOW
HERPETOLOGY	SMITH
ICHTHYOLOGY	SHOEMAKER
LIMNOLOGY	MATTESON
MAMMALOGY	HOFFMEISTER, LEE
ORNITHOLOGY	KENDEIGH, BOCK
WILDLIFE MANAGEMENT	KENDEIGH, SHOEMAKER

GENETICS, PHYLOGENY, EVOLUTION--

GENETICS AND EVOLUTION	KITZMILLER, LUCE, NANNEY
VERTEBRATE PHYLOGENY & PALEONTOLOGY	BADER

07261	CONF		ARR				STAFF

LAB. SECTIONS LIMITED TO TWELVE STUDENTS EACH.

07262	CONF	&	ARR				
07263	LECT-DISC	D	11	M W F	245	COM W	CORLEY

TRIAL REGISTRATION FORM

Date.....

Name.....
[Surname first; then given names]

College.....

{Urbana-Champaign
{Address.....

Course (or Major).....

Telephone.....

Class.....

Subject (i. e., Department)	Course No.	Sec.	Credit Hours	M	T	W	T	F	S	Memoranda

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CALENDAR

Second Semester, 1964-1965

Jan. 29, Fri.-Jan. 30, Sat.	Entrance examinations (to remove deficiencies in entrance requirements).
Feb. 1, Mon.-Feb. 6, Sat.	New Student Program.
Feb. 1, Mon.-Mar. 12, Fri.	Winter Short Course in Agriculture and Home Economics (registration 2:00 p.m. Wed., Feb. 3).
Feb. 3, Wed.	Preregistration for student registration staff and others.
Feb. 3, Wed.-Feb. 6, Sat. (to 3:00 p.m.)	Registration of graduate and undergraduate students.
Feb. 5, Fri.	Earliest date for special examinations.
Feb. 6, Sat., 8:00 a.m.-3:00 p.m.	Registration of commuting teachers.
Feb. 8, Mon., 7:00 a.m.	Instruction begins.
Feb. 8, Mon., 4:10 p.m.	Meeting of Urbana-Champaign Senate.
Feb. 8, Mon., 6:45 to 10:00 p.m.	Qualifying examination in English (for transfer students with eighty or more credit hours only).
Feb. 18, Thurs., 5:00 p.m.	Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
Mar. 1, Mon.	Latest date for students currently enrolled to apply for student teaching assignment in fall or spring semester 1965-1966.
Mar. 2, Tues.	University Day (University opened, 1868; not a holiday).
Mar. 29, Mon.	Earliest date for one-half credit if withdrawing from the University for military service (seven weeks completed).
Apr. 1, Thurs., 5:00 p.m.	Midsemester grades due.
Apr. 2, Fri., 5:00 p.m.	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
Apr. 8, Thurs., 6:45-10:00 p.m.	Qualifying examination in English.
Apr. 12, Mon., 4:10 p.m.	Meeting of Urbana-Champaign Senate.
Apr. 15, Thurs., 6:45-10:00 p.m.	Qualifying examination in English.
Apr. 17, Sat., 12:00 noon	Spring vacation begins.
Apr. 26, Mon., 1:00 p.m.	Spring vacation ends.
Apr. 30, Fri.	Honors Day (classes dismissed at noon).
Apr. 30, Fri.-May 2, Sun.	Mother's Day weekend.
May 7, Fri., 5:00 p.m.	Latest date to withdraw from the University without petitioning for readmission.
May 11, Tues., 12:00 noon	Earliest date for full credit if withdrawing from the University for military service (twelve weeks completed).
May 21, Fri.	Latest date for special examinations.
May 27, Thurs.-May 28, Fri.	Registration for 1965 Summer Session off-campus courses.
May 29, Sat.	Last day of instruction.
May 30, Sun.	Memorial Day.
May 31, Mon.	Memorial Day holiday.
June 1, Tues.-June 9, Wed.	Semester examinations.
June 7, Mon., 4:40 p.m.	Meeting of Urbana-Champaign Senate.
June 19, Sat.	Commencement.

Eight-Week Summer Session, 1965

May 27, Thurs.-May 28, Fri.	Registration for off-campus courses.
June 7, Mon., 4:40 p.m.	Meeting of Urbana-Champaign Senate.
June 10, Thurs.-June 11, Fri.	Entrance examinations (to remove deficiencies in entrance requirements).
June 21, Mon.	Earliest date for special examinations.
June 21, Mon.	Registration of graduate students not enrolled in the second semester 1964-1965, and undergraduate students.
June 22, Tues., 7:00 a.m.	Instruction begins.
June 22, Tues., 6:45-10:00 p.m.	Qualifying examination in English (for transfer students with eighty or more credit hours only).
June 22, Tues.-June 23, Wed.	Registration of graduate students enrolled in the second semester 1964-1965.
June 28, Mon., 5:00 p.m.	Latest date for full refund of tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
July 4, Sun.	Independence Day.
July 5, Mon.	Independence Day holiday.
July 15, Thurs., 6:45-10:00 p.m.	Qualifying examination in English.
July 19, Mon.	Beginning of second four-week courses.
July 20, Tues., 5:00 p.m.	Latest date for refund of one-half tuition and fees (except nonrefundable portion) if withdrawing from the University or reducing program range.
July 21, Wed.	Earliest date for one-half credit if withdrawing from the University for military service (four weeks completed).
July 29, Thurs.	Latest date to withdraw from the University without petitioning for readmission.
Aug. 2, Mon.	Latest date for special examinations.
Aug. 2, Mon.	Latest date for foreign students who have not attended a college or university in the United States to apply for admission in September, 1965.
Aug. 4, Wed.	Earliest date for full credit if withdrawing from the University for military service (six weeks completed).
Aug. 12, Thurs.	Last day of instruction.
Aug. 13, Fri.-Aug. 14, Sat.	Summer Session final examinations.
Aug. 16, Mon.-Sept. 11, Sat.	Corps of Engineers post-Summer Session courses.
Aug. 25, Wed.	Earliest date for special examinations.
Aug. 30, Mon.	Latest date for domestic students, or foreign students who have attended a college or university in the United States, to apply for admission or readmission in September, 1965.

ORDER OF REGISTRATION

Second Semester, 1964-1965

Preregistration

(Special permit required)

For student registration staff and others ..... Wednesday, February 3
Special preregistration (for student preregistration staff) ..... 8:00 a.m.
Regular preregistration (for student registration staff) ..... 9:00 a.m.
Nonacademic employees (not advance enrolled) and others ..... 10:00 a.m.

Registration

(Wednesday, February 3, through Saturday, February 6)

GRADUATE STUDENTS

The program card and other preliminary registration materials for students who have not advance enrolled may be obtained in advance of registration days at the department offices beginning Monday, February 1. Authorization cards essential to complete registration will be distributed to all graduate students in the lower gymnasium, English Building, in accordance with the following schedule:

A through C ..... Friday morning, February 5
D through G ..... Thursday afternoon, February 4
H through K ..... Wednesday afternoon, February 3
L through O ..... Thursday morning, February 4
P through Sj ..... Wednesday morning, February 3
Sk through Z ..... Friday afternoon, February 5

Teachers wishing to register in evening or Saturday classes who are unable to be here during the period designated will be permitted to register between 8:00 a.m. and 3:00 p.m. on Saturday, February 6. The offices will *not* be open for registration on Saturday, February 13, or any subsequent Saturday.

UNDERGRADUATE STUDENTS

Authorization cards for all new and former undergraduate students will be distributed from the offices of the deans of the various colleges in accordance with the following schedule:

Thursday, February 4

A through Bap ..... 4:00 p.m.

Friday, February 5

Bar through Boe ..... 8:00 a.m.
Bof through Bz ..... 9:00 a.m.
Ca through Con ..... 10:00 a.m.
Coo through De ..... 11:00 a.m.
Df through E ..... 1:00 p.m.
Fa through Fr ..... 2:00 p.m.
Fs through Gra ..... 3:00 p.m.
Grb through Hau ..... 4:00 p.m.

Saturday, February 6

Hav through Hul ..... 8:00 a.m.
Hum through Kal ..... 9:00 a.m.
Kam through Kq ..... 10:00 a.m.
Kr through Lev ..... 11:00 a.m.

Wednesday, February 3

Lew through Mark ..... 11:00 a.m.
Marl through Mik ..... 1:00 p.m.
Mil through Net ..... 2:00 p.m.
Neu through Pem ..... 3:00 p.m.
Pen through Ra ..... 4:00 p.m.

Thursday, February 4

Re through Ruk ..... 8:00 a.m.
Rul through Sev ..... 9:00 a.m.
Sew through So ..... 10:00 a.m.
Sp through Sz ..... 11:00 a.m.
T through Vh ..... 1:00 p.m.
Vi through Wh ..... 2:00 p.m.
Wi through Z ..... 3:00 p.m.

REGISTRATION IS CONCLUDED IN THE ARMORY
THE ARMORY CLOSES AT 3:00 p.m. ON SATURDAY, FEBRUARY 6

The late registration fine of $15.00 will be assessed *all students* who complete registration after Saturday, February 6.

NON-COMBINED FINAL EXAMINATION SCHEDULE

Second Semester 1964-1965

(Tuesday, June 1, to Wednesday, June 9, 1965)

Note: This schedule does not apply to courses in law or to combined-section examinations. These schedules will be announced later.

Time of Examinations. Final examinations must be given at the time specified unless a change is approved *in advance* by the Provost.

Evening Examinations. Evening examinations are *not* authorized except for classes regularly scheduled through the semester to meet at 7:00 a.m., 12:00 noon, 5:00 p.m., 7:00 p.m., and 7:30 p.m. The evening hours for these examinations are specified on the published non-combined examination schedule below.

Irregularly Scheduled Courses. For a sectional course having *at least two lectures per week at the same hour*, the examination must be scheduled according to the sequence (MWF or TTS) upon which the lecture hours occur, irrespective of the credit hours in the course or the time of discussion or laboratory periods.

For courses combining only one lecture with one or more discussion and/or laboratory periods at a different hour, the final examination should be scheduled according to the sequence in which the discussion and/or laboratory periods fall.

If a course is so scheduled that the examination may be given on more than one date, the earliest date in the examination schedule must be chosen. This includes graduate seminars. For example, in a course regularly meeting from 1:30 to 3:00 p.m. Tuesday and Thursday, or on one of those days, the examination must be scheduled from 1:30 to 4:30 p.m. on Tuesday, June 8, *not* Wednesday, June 9, 1965.

Conflicts. Departments giving combined-section examinations must care for conflicts with non-combined examinations.

Two or more examinations in sequence are not considered "conflicts."

Length of Examinations. The *maximum* limit for undergraduate examinations shall be three hours, except by special arrangement in individual cases approved by the dean of the college concerned.

Morning Classes

(a) All courses meeting on the TTS sequence or a combination of the TTS and MWF sequences.

Classes meeting at:

Eight O'Clock	*Nine O'Clock*	*Ten O'Clock*	*Eleven O'Clock*	*Twelve O'Clock*
Thurs., June 3	Sat., June 5	Mon., June 7	Tues., June 8	Wed., June 2
8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	7:00-10:00 p.m.

(b) All courses meeting on the MWF sequence only, or on the MWFS sequence.

Classes meeting at:

Eight O'Clock	*Nine O'Clock*	*Ten O'Clock*	*Eleven O'Clock*	*Twelve O'Clock*
Wed., June 2	Fri., June 4	Wed., June 9	Tues., June 1	Thurs., June 3
8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	8:00-11:00 a.m.	7:00-10:00 p.m.

Afternoon Classes

(a) All courses meeting on the MWF sequence or a combination of the MWF and the TTS sequences.

Classes meeting at:

One O'Clock	*Two O'Clock*	*Three O'Clock*	*Four O'Clock*	*Five O'Clock*
Wed., June 2	Sat., June 5	Mon., June 7	Thurs., June 3	Tues., June 1
1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	7:00-10:00 p.m.

(b) All courses meeting on the TTS sequence only.

Classes meeting at:

One O'Clock	*Two O'Clock*	*Three O'Clock*	*Four O'Clock*	*Five O'Clock*
Wed., June 9	Tues., June 8	Fri., June 4	Tues., June 1	Fri., June 4
1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	1:30-4:30 p.m.	7:00-10:00 p.m.

Evening and Early Morning Classes

Examinations for classes meeting at 7:00 a.m., 7:00 p.m., or 7:30 p.m. will be on Tuesday, June 8, from 7:00 to 10:00 p.m.

One-Hour Courses

Examinations for one-hour courses are to be arranged for by the instructors concerned within the established examination period (June 1 to 9).

LISTING OF COURSES

The arrangement of subjects in this time table is alphabetical. The courses offered in each subject are listed numerically with headings to indicate the students for whom they are designed. Courses for undergraduates (freshmen and sophomores) are numbered 100 to 199; for advanced undergraduates (juniors and seniors), 200 to 299; for advanced undergraduates and graduates (juniors, seniors, and graduates), 300 to 399; for graduates, 400 to 499. Following the title of each course is a statement of the requirements, if any, for admission to the course.

Credit

Credit for undergraduate students is counted in semester hours. An hour is one class period a week for one semester or the equivalent in laboratory or field work or approved independent study. The number of hours for which each course counts is shown under each course. Students having ninety or more hours of credit, without regard to the curriculum in which they may be enrolled, are classified as seniors for the purpose of designating those freshman courses which, when taken by seniors or graduate students, carry reduced credit.

Credit for graduate students is counted in units. A unit course requires ten hours of time each week through the semester, irrespective of the distribution of that time in classwork, laboratory or field work, and private study. Four such courses or their equivalent constitute a student's normal program for one semester. The unit values of graduate courses are indicated under each of these courses.

Buildings

University buildings are designated by the following abbreviations:

Administration Building.....Admin
Aeronautical Engineering Laboratory..Aero Lab
Agricultural Engineering Building.....Agr Eng
Altgeld Hall.....AH
Animal Genetics Building.....An Gen
Animal Sciences Laboratory.....ASL
Architecture Building.....Arch
Bevier Hall.....Bev Hall
Burnsides Research Laboratory.....BRL
Burrill Hall.....Bur Hall
Ceramics Building.....Cer
Chemistry Annex.....CA
Child Development Laboratory.....CD
Civil Engineering Hall.....CEH
Commerce Annex.....Com Annex
Commerce and Business Administration Building.....Com W
Dairy Manufactures Building.....DMB
Davenport Hall.....DH
David Kinley Hall.....DKH
East Chemistry Building.....EC
Educational Projects and Guidance Building.....EPGB
Education Building.....Educ
Electrical Engineering Annex.....EE Annex
Electrical Engineering Building.....EEB
English Building.....EB
Fine and Applied Arts Building.....FAB
Floriculture Building.....Flor
Foundry and Pattern Laboratory.....Fdy & Pat Lab
Gregory Hall.....GH
Harker Hall.....HH
Hill Annex.....HA
Horticulture Field Laboratory.....HFL
Huff Gymnasium.....HG
Hydraulic Engineering Laboratory.....Hyd Eng Lab
Illini Hall.....IH
Krannert Art Museum.....KM
Labor and Industrial Relations Building....ILIR
Law Building.....Law
Library.....Lib
Lincoln Hall.....LH
Mechanical Engineering Building.....MEB
Mechanical Engineering Laboratory.....MEL
Men's Old Gymnasium.....MOG
Metallurgical and Mining Building.....MMB
Mining and Metallurgy Laboratory....Met Lab
Morrill Hall.....Mor Hall
Mumford Hall.....MH
Natural History Building.....NHB
Noyes Laboratory of Chemistry.....NL
Observatory.....Observ
Physics Building.....PB
Practice Annex.....PA
Quonset.....Q
Rehabilitation Center.....Rehab Center
Rural Electric Laboratory.....RE Lab
Smith Music Hall.....SMH
Speech Clinic.....Sp Clinic
Stiven House.....SH
Stock Judging Pavilion.....SP
String Annex.....SA
Surveying Building.....Surv Bldg
Talbot Laboratory.....TL
Theory Annex.....TA
Transportation Building.....TB
Turner Hall.....TH
University High School.....UHS
Vegetable Crops Building.....Veg Crops
Veterinary Clinic, Large Animal.....VCLA
Veterinary Clinic, Small Animal.....VCSA
Veterinary Medicine Building.....VM
Women's Gymnasium.....W Gym

LISTING OF HONORS SECTIONS

FOLLOWING IS A LISTING OF HONORS SECTIONS OFFERED DURING THE SECOND SEMESTER 1964-65. THESE SECTIONS, IDENTIFIED BY THE AMPERSAND SYMBOL-&-PRECEDING THE SECTION DESIGNATION, ALSO APPEAR IN THE ALPHABETICAL LISTING OF COURSES.

ACCY	105	00045	LECT-DISC	•&F	9	M	W	F	108	D	K	H	
ACCY	105	00046	LECT-DISC	•&G1	10	M	W	F	108	D	K	H	
ACCY	292	00075	CONF	&	ARR								HOLZER
ACCY	296	00076	CONF	&	ARR								HOLZER
ADV	291	00129	CONF	&A	ARR								STAFF
A A E	296	00198	CONF	&A	ARR								
A A E	297	00199	CONF	&A	ARR								
AGR	190	00291	LECT-DISC	&A	1-3	TU			405	M	H		HEADLEY
AGR	192	00292	LECT-DISC	&A	1-3		TH		405	M	H		GOTTLEIB
AGR	295	00295	LECT-DISC	&A	3-5	TU			316S	M	H		SPITZE
ANTH	102	00462	QUIZ	•&G	10	TU			313	D	H		
ANTH	103	00473	QUIZ	•&G	11	TU			311	D	H		
ANTH	291	00476	CONF	&	ARR								STAFF
ART	247	00754	LECT-DISC	&A	ARR				308	F	A	B	STAFF
ART	247	00755	LECT-DISC	&B	ARR				318	F	A	B	STAFF
ART	248	00756	LECT-DISC	&A	ARR				308	F	A	B	STAFF
ART	248	00757	LECT-DISC	&B	ARR				318	F	A	B	STAFF
BIOL	204	01026	LECT-DISC	&A	730PM	M			ARR				NANNEY,
BOT	101	01044	LAB-DISC	&A	1-3	M	W	F	204	N	H	B	STAFF
BOT	293	01056	CONF	&	ARR								STAFF
B ADM	110	01081	DISC	&	1-3	TU			20	COM	W		
B ADM	210	01082	DISC	&P1	3-5	TU			20	COM	W		
B ADM	210	01083	DISC	&P2	3-5		TH		20	COM	W		
B ED	291	01127	CONF	&A	ARR					D	K	H	STAFF
B ED	292	01128	CONF	&A	ARR					D	K	H	STAFF
B LAW	100	01139	LECT-DISC	•&L	11-1120	TU	TH		236	COM	W		CORLEY
CER E	299	01163	CONF	&	ARR								STAFF
CHEM	108	01259	QUIZ	•&1A	2	TU	TH		217	N	L		
CHEM	108	01259	LAB	•&1A	2-5	M	W		310	C	A		
CHEM	108	01260	QUIZ	•&2A	10	TU	TH		199	E	C		
CHEM	108	01260	LAB	•&2A	9-12	M	W		310	C	A		
CHEM	290	01309	CONF	&A	ARR								CARTER
CH E	290	01376	CONF	&A	ARR								CARTER
D G S	112	01641	DISC	&F1	2	M	W	F	141	A	H		
D G S	132	01681	LAB-DISC	•&5	8-10	TU	TH		425	N	H	B	
ECON	102	01741	LECT-DISC	&D	11	M	W	F	24	COM	W		
ECON	103	01757	LECT-DISC	&F1	2	M	W	F	126	COM	W		
ECON	108	01796	LECT-DISC	&C	10	M	W	F	24	COM	W		
ECON	170	01823	LECT-DISC	•&F1	2	M	W	F	223	D	K	H	
				&F1	2	TU			206	D	K	H	
ECON	210	01831	LECT-DISC	&D	11	M	W	F	245	COM	W		
ECON	291	01847	CONF	&A	ARR								
ECON	293	01848	CONF	&A	ARR								
ECON	300	01851	LECT-DISC	&N	1	TU	TH		130	COM	W		
				&N	2	TU			130	COM	W		
EDPSY	249	01945	CONF	&A	ARR								STAFF
EDPSY	291	01946	CONF	&A	ARR								STAFF
E E	250	02041	DISC	•&XH	11	MTUWTHF			169	E	E	B	
E E	251	02053	LAB	•&XH	8-10			F	50H	E	E	B	
E E	296	02068	CONF	&XH	2	TU			236	E	E	B	
E E	297	02069	CONF	&XH	3-5	TU			141	E	E	B	
E E	299	02070	CONF	&A	ARR								
E E	322	02078	DISC	•&XH	9	MTU	THF		170	E	E	B	
E E	323	02089	LAB	•&XH	3-6		TH		132	E	E	B	
E E	330	02099	DISC	•&XH	3	M	W	F	57	E	E	B	
E E	331	02109	LAB	•&XH	12-3	TU			50K	E	E	B	

EL ED	101	02269	DISC	*&1	9		TH	210B	E B		JOHNSON
EL ED	236	02296	LECT-DISC	*&B	9	M W F		349	EDUC		STENDLER
EL ED	243	02306	CONF	&A	ARR						STAFF
EL ED	291	02307	CONF	&A	ARR						STAFF
EL ED	292	02305	CONF	&A	ARR						STAFF
ENG H	107	02331	LECT-DISC	&A	10-12	TU		ARR			
ENGL	197	02427	LECT-DISC	&F1	2-4	TU		210A	E B		KALMEY
ENGL	236	02462	LECT-DISC	&M1	10-12		TH	210A	E B		GAREL
ENGL	236	02463	LECT-DISC	&M2	10-12		TH	194	L H		HERRY
ENGL	298	02464	LECT-DISC	&F1	2-4	TU		303	E B		COLE
ENGL	298	02465	LECT-DISC	&F2	2-4		TH	307	E B		WILKIE
ENTOM	306	02512	DISC	&A	ARR						STAFF
FIN	250	02536	LECT-DISC	*&B2	3	M W F		28	COM W		ARLT
FIN	294	02551	LECT-DISC	*&N2	1	TU TH		123	D K H		PIKE
FIN	291	02571	CONF	&A	ARR						HEINS
FR	102	02650	LECT-DISC	*&E1	1	MTUWTH		374	L H		
FR	104	02692	LECT-DISC	*&D4	11	TUWTHF		374	L H		
FR	212	02732	LECT-DISC	*&E1	1	M W F		242	L H		
FR	292	02743	CONF	&A	ARR						STAFF
G E	104	02808	LAB-DISC	&G3	1-4	TU TH		305	T B		
G E	293	02847	CONF	&P	ARR						STAFF
G E	393	02853	CONF	*&A	ARR						STAFF
GEOL	101	02956	QUIZ	*&5	6		F	236	N H B		
GEOL	101	02957	QUIZ	*&12	1		F	236	N H B		
GEOL	101	02957	LAB	*&12	1-3	TU		120	N H B		
GEOL	102	02973	LAB-DISC	*&11	1-3	TU		143	N H B		
GEOL	111	02982	LAB-DISC	&A	ARR						WAHL
GEOL	112	02989	LAB-DISC	&A	ARR						JOHNSON
GEOL	290	03000	CONF	&A	ARR						STAFF
GER	101	03034	LECT-DISC	*&5	1	MTUWTH		332	L H		
GER	102	03058	LECT-DISC	*&X3	12	MTUWTH		388	L H		
GER	102	03059	LECT-DISC	*&5	1	MTUWTH		216	L H		
GER	292	03095	CONF	&	ARR						
HIST	112	03178	DISC	*&5	11	W F		430	ARMORY		FRIEDLANDER
HIST	132	03191	DISC	*&5	11	TU TH		333	ARMORY		
HIST	293	03232	CONF	&	ARR						MCCOLLEY AND
HIST	295	03233	CONF	&	ARR						MCCOLLEY AND
HP ED	201	03300	DISC	*&1	9		TH	431	ARMORY		
HP ED	249	03301	CONF	&A	ARR						STAFF
HP ED	291	03302	CONF	&A	ARR						STAFF
H EC	190	03364	LECT-DISC	&A	1-3	TU		405	M H		HEACLEY
H EC	192	03365	LECT-DISC	&A	1-3		TH	405	M H		
H EC	295	03393	LECT-DISC	&A	3-5	TU		316S	M H		THOMPSON
I E	293	03502	CONF	&P	ARR						
I E	296	03503	CONF	&P	ARR						
ITAL	292	03515	CONF	&A	ARR						STAFF
JOURN	291	03542	CONF	&A	ARR						STAFF
LAT	291	03599	CONF	&	ARR			360	L H		BATEMAN
MGMT	101	03730	LECT-DISC	&B	9	M W F		236	COM W		
MGMT	292	03745	CONF	&	ARR						
MGMT	296	03746	CONF	&	ARR						
MKTG	101	03771	LECT-DISC	*&B	9	M W F		170	COM W		MILLICAN
MKTG	292	03782	CONF	&A	ARR						STAFF
MKTG	296	03783	CONF	&A	ARR						STAFF

MATH	123	03897	LECT-DISC	*&D1	11	MTUWTHF	165	A	H		L LEVY
MATH	132	03932	LECT-DISC	*&A1	8	MTUWTHF	247	A	H		BROWN
MATH	132	03933	LECT-DISC	*&D1	11	MTUWTHF	447	A	H		SCHUBERT
MATH	132	03934	LECT-DISC	*&F1	2	MTUWTHF	110	A	H		PEPPER
MATH	133	03954	LECT-DISC	*&A1	8	M W F	259	A	H		CAIRNS
MATH	142	03972	LECT-DISC	*&D1	11	M W F	243	A	H		HOFFMAN
MATH	149	03980	LECT-DISC	*&P	ARR						
MATH	149	03981	LECT-DISC	*&Q	ARR						
MATH	149	03982	LECT-DISC	*&R	ARR						
MATH	149	03983	LECT-DISC	*&S	ARR						
MATH	249	03995	LECT-DISC	*&P	ARR						
MATH	249	03996	LECT-DISC	*&Q	ARR						
MATH	292	04001	DISC	&A	ARR						
MATH	347	04089	LECT-DISC	*&D1	11	M W F	345	A	H		HARVEY
MATH	347	04090	LECT-DISC	*&E1	1	M W F	345	A	H		HELMS
MATH	349	04096	LECT-DISC	*&E1	1	M W F	159	A	H		BARTLE
M E	224	04228	LECT-DISC	*&Q1	10-12	M W F	336	M	E	B	
M E	271	04262	LECT-DISC	*&Q1	10-12	M W F	349	M	E	B	
M E	296	04266	CONF	&P	ARR						
MET E	299	04306	CONF	&A	ARR						STAFF
MCBIO	207	04339	LAB-DISC	&A	ARR			BUR HALL			STAFF
MIN E	242	04454	DISC	&A	ARR						STAFF
MIN E	299	04456	CONF	&A	ARR						STAFF
PET E	241	04811	CONF	&A	ARR						STAFF
PHIL	201	04861	CONF	&A	ARR						TIEBOUT
PHIL	202	04862	CONF	&A	ARR						STAFF
PHIL	483	04893	CONF	&			ARR				STAFF
PHIL	499	04894	CONF	&			ARR				STAFF
PHYCS	106	05392	LAB	*&A2	8-10	W	232	P	B		
PHYCS	106	05392	QUIZ	*&A2	8-10	F	232	P	B		
PHYCS	106	05393	LAB	*&M1	1-3	TU	232	P	B		
PHYCS	106	05393	QUIZ	*&M1	1-3	TH	137	P	B		
PHYCS	107	05411	LAB	*&A3	8-10	F	234	P	B		
PHYCS	107	05411	QUIZ	*&A3	8-10	M	234	P	B		
PHYCS	107	05412	LAB	*&M2	1-3	TH	234	P	B		
PHYCS	107	05412	QUIZ	*&M2	1-3	TU	234	P	B		
PHYCS	108	05435	LAB	*&A1	8-10	M	236	P	B		
PHYCS	108	05435	QUIZ	*&A1	8-10	W	137	P	B		
PHYCS	108	05436	LAB	*&M1	1-3	TU	236	P	B		
PHYCS	108	05436	QUIZ	*&M1	1-3	TH	236	P	B		
PHYCS	303	05443	LAB	*&C	ARR						WATTENBERG
PHYCS	304	05446	LAB	*&C	ARR						WATTENBERG
PHYSL	203	05530	LECT	&A	2	M W	228	N	H	B	TAYLOR AND
PHYSL	203	05531	LECT	&B	10	TU TH	228	N	H	B	WILLIS
PHYSL	203	05532	LAB	&	3-6	TU TH	422	BUR HALL			
PHYSL	290	05542	CONF	&A	ARR						STAFF
POL S	149	05574	LECT-DISC	&A	ARR						SNIDER
POL S	150	05580	LECT-DISC	*&E	1	M W F	310	L	H		SNIDER
POL S	290	05588	LECT-DISC	&A	1-3	TU	398	L	H		
POL S	292	05589	LECT-DISC	&A	ARR						STAFF
POL S	293	05590	LECT-DISC	&A	ARR						STAFF
PSYCH	100	05701	LECT	*&H	8	M W F	317	G	H		MUNSINGER
PSYCH	100	05702	QUIZ	*&H1	2	W	313	G	H		
PSYCH	100	05703	QUIZ	*&H2	3	W	313	G	H		
PSYCH	100	05704	QUIZ	*&H3	4	W	313	G	H		
PSYCH	100	05705	LECT	*&I	2	M W F	317	G	H		COHEN
PSYCH	100	05706	QUIZ	*&I1	12	TU	313	G	H		
PSYCH	100	05707	QUIZ	*&I2	1	TU	313	G	H		
PSYCH	100	05708	QUIZ	*&I3	2	TU	313	G	H		
PSYCH	216	05758	LECT	*&H	9	M W F	315	G	H		WEIR
PSYCH	250	05765	LECT	*&H	9	M W F	315	G	H		
PSYCH	255	05769	LECT	*&H	10	M W F	315	G	H		FIEDLER
PSYCH	292	05777	DISC	&A	ARR						STAFF
PSYCH	294	05778	DISC	&A	ARR						STAFF
PSYCH	338	05798	LECT	*&H	8	M W F	313	G	H		EISEN

R TV	291	05837	CONF	&A	ARR							STAFF
REC	250	05875	LECT-DISC	&A	3	M		F	211	HUFF GYM		STAFF
REC	260	05876	LECT-DISC	&A	4	M		F	211	HUFF GYM		STAFF
RHET	108	06112	LECT-DISC	&A1	8	M	W	F	115	E C		P ROGERS
RHET	108	06113	LECT-DISC	&B1	9	M	W	F	144	BEV HALL		MACCUBBIN
RHET	108	06114	LECT-DISC	&B2	9	M	W	F	199	E C		P ROGERS
RHET	108	06115	LECT-DISC	&C1	10	M	W	F	144	BEV HALL		MACCUBBIN
RHET	108	06116	LECT-DISC	&D1	11	M	W	F	199	E C		FOYS
RHET	108	06117	LECT-DISC	&X1	12	M	W	F	199	E C		FOYS
RHET	108	06118	LECT-DISC	&E1	1	M	W	F	214	T B		HUDNALL
RHET	108	06119	LECT-DISC	&E2	1	M	W	F	337	ARMORY		
RHET	108	06120	LECT-DISC	&E3	1	M	W	F	196	L H		DRAKE
RHET	108	06121	LECT-DISC	&F1	2	M	W	F	214	T B		HUDNALL
RHET	108	06122	LECT-DISC	&F2	2	M	W	F	303	E B		DRAKE
RHET	108	06123	LECT-DISC	&G1	3	M	W	F	311	D H		
RHET	108	06124	LECT-DISC	&R1	3-5	TU			313	D H		
				&R1	3		TH		313	D H		
RHET	108	06125	LECT-DISC	&S1	2	TU			313	D H		
				&S1	4-6		TH		313	D H		
RHET	151	06224	LECT-DISC	*&L1	10	TU			326	D K H		GIESELMAN
RHET	151	06225	LECT-DISC	*&L1	10-12		TH		326	D K H		GIESELMAN
RUSS	102	06249	LECT-DISC	*&S	10	MTUWTH			216	L H		
RUSS	292	06264	CONF	&	ARR							STAFF
SE ED	240	06304	LECT-DISC	*&F1	2	MTUW			166	EDUC		
SE ED	240	06305	LECT-DISC	*&E1	1	MTUW			1	EDUC		GIRAULT
SE ED	249	06320	CONF	&A	ARR							STAFF
SE ED	291	06321	CONF	&A	ARR							STAFF
SOC	105	06421	QUIZ	*&A6	9	TU TH			1204	W OREGON		
SOC	105	06422	QUIZ	*&B9	2	TU TH			1204	W OREGON		
SOC	291	06436	CONF	&A	ARR							
SPAN	102	06494	LECT-DISC	&S	11	TUWTHF			216	L H		
SPAN	103	06505	LECT-DISC	&S	2	MTUWTH			176	L H		
SPAN	104	06518	LECT-DISC	&S	9	TUWTHF			170	L H		
SPAN	292	06541	CONF	&A	ARR							STAFF
SP ED	249	06574	CONF	&A	ARR							STAFF
SP ED	291	06575	CONF	&A	ARR							STAFF
SPCH	101	06640	LECT-DISC	*&S1	2	M	W	F	132	L H		
SPCH	141	06671	LECT-DISC	*&S	2	M	W	F	208	E B		
SPCH	291	06690	CONF	&A	ARR							STAFF
T A M	296	06807	CONF	&A	ARR							
T A M	297	06808	CONF	&A	ARR							
T A M	299	06809	CONF	&A	ARR							
V M S	392	06881	LAB	&A	ARR							STAFF
VCTEC	249	06930	CONF	&A	ARR							STAFF
VCTEC	291	06934	CONF	&A	ARR							STAFF
ZOOL	101	06957	LAB-DISC	*&S	1-4	TU TH			309	N H B		
ZOOL	303	07014	CONF	&A	ARR							STAFF

ACCOUNTANCY

DEPARTMENT OFFICE 321 D K H

COURSES FOR UNDERGRADUATES

ACCY 101 PRINCIPLES OF ACCOUNTING I.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

00001	LECT-DISC	A	8	M W F	94	COM W	
00002	LECT-DISC	B	9	M W F	94	COM W	
00003	LECT-DISC	K	9	TU TH S	317A	D K H	
00004	LECT-DISC	C	10	M W F	94	COM W	
00005	LECT-DISC	L1	10	TU TH S	317A	D K H	
00006	LECT-DISC	L2	10	TU TH S	108	D K H	
00007	LECT-DISC	L3	10	TU TH S	215	D K H	
00008	LECT-DISC	D	11	M W F	243	COM W	
00009	LECT-DISC	M1	11	TU TH S	108	D K H	
00010	LECT-DISC	M2	11	TU TH S	215	D K H	
00011	LECT-DISC	X1	12	M W F	108	D K H	
00012	LECT-DISC	X2	12	M W F	317	D K H	
00013	LECT-DISC	X3	12	M W F	243	COM W	
00014	LECT-DISC	E1	1	M W F	108	D K H	
00015	LECT-DISC	E2	1	M W F	317A	D K H	
00016	LECT-DISC	E3	1	M W F	30	COM W	
00017	LECT-DISC	E4	1	M W F	24	COM W	
00018	LECT-DISC	F1	2	M W F	160	COM W	
00019	LECT-DISC	F2	2	M W F	24	COM W	
00020	LECT-DISC	F3	2	M W F	30	COM W	
00021	LECT-DISC	G1	3	M W F	30	COM W	
00022	LECT-DISC	G2	3	M W F	322	D K H	
00023	LECT-DISC	G3	3	M W F	160	COM W	

ACCY 105 PRINCIPLES OF ACCOUNTING II.
PREREQUISITE--ACCY. 101.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS
*SECTIONS &B AND &C1 OPEN TO JAMES SCHOLARS AND OTHER HONOR STUDENTS.

00024	LECT-DISC	A	8	M W F	322	D K H	
00045	LECT-DISC	*&B	9	M W F	108	D K H	
00025	LECT-DISC	K	9	TU TH S	322	D K H	
00046	LECT-DISC	*&C1	10	M W F	108	D K H	
00026	LECT-DISC	C2	10	M W F	115	D K H	
00027	LECT-DISC	C3	10	M W F	317	D K H	
00028	LECT-DISC	L	10	TU TH S	322	D K H	
00029	LECT-DISC	D1	11	M W F	108	D K H	
00030	LECT-DISC	D2	11	M W F	317	D K H	
00031	LECT-DISC	D3	11	M W F	160	COM W	
00032	LECT-DISC	D4	11	M W F	94	COM W	
00033	LECT-DISC	X1	12	M W F	160	COM W	
00034	LECT-DISC	X2	12	M W F	152	COM W	
00035	LECT-DISC	E1	1	M W F	115	D K H	
00036	LECT-DISC	E2	1	M W F	215	D K H	
00037	LECT-DISC	E3	1	M W F	317	D K H	
00038	LECT-DISC	E4	1	M W F	152	COM W	
00039	LECT-DISC	F1	2	M W F	108	D K H	
00040	LECT-DISC	F2	2	M W F	115	D K H	
00041	LECT-DISC	F3	2	M W F	215	D K H	
00042	LECT-DISC	G1	3	M W F	108	D K H	
00043	LECT-DISC	G2	3	M W F	115	D K H	
00044	LECT-DISC	G3	3	M W F	215	D K H	

ACCY 106 ELEMENTARY COST ACCOUNTING.
PREREQUISITE--ONE YEAR OF ACCOUNTANCY, SOPHOMORE STANDING.
NOT OPEN TO STUDENTS WHO RECEIVED CREDIT IN ACCY. 105 AFTER FEBRUARY, 1964.
3 HOURS

00047	LECT-DISC	B	9	M W F	317A	D K H	JOHNSON

ACCY 108 INTERMEDIATE ACCOUNTING.
PREREQUISITE--ONE YEAR OF ACCOUNTANCY, SOPHOMORE STANDING.
3 HOURS

00048	LECT-DISC	A	8	M	W	F	108	D K H		FESS
00049	LECT-DISC	C	10	M	W	F	160	COM W		BEDFORD
00050	LECT-DISC	D	11	M	W	F	322	D K H		
00051	LECT-DISC	E1	1	M	W	F	322	D K H		CARMICHAEL
00052	LECT-DISC	E2	1	M	W	F	160	COM W		
00053	LECT-DISC	F1	2	M	W	F	317	D K H		DUCKWEILER
00054	LECT-DISC	F2	2	M	W	F	322	D K H		
00055	LECT-DISC	G1	3	M	W	F	317	D K H		DUCKWEILER
00056	LECT-DISC	G2	3	M	W	F	24	COM W		SCHONFELD

ACCY 166 COST ACCOUNTING.
PREREQUISITE--ACCY. 105. OPEN ONLY TO STUDENTS WHO RECEIVED CREDIT IN ACCY. 105 AFTER FEBRUARY, 1964.
3 HOURS

00057	LECT-DISC	A	8	M	W	F	317A	D K H		DICKEY
00058	LECT-DISC	B	9	M	W	F	322	D K H		THOMAS
00059	LECT-DISC	C1	10	M	W	F	322	D K H		THOMAS
00060	LECT-DISC	C2	10	M	W	F	317A	D K H		SCHONFELD
00061	LECT-DISC	D	11	M	W	F	317A	D K H		SCHONFELD
00062	LECT-DISC	E	1	M	W	F	243	COM W		URETSKY

COURSES FOR ADVANCED UNDERGRADUATES

ACCY 201 FUNDAMENTALS OF ACCOUNTING.
FOR NON-COMMERCE STUDENTS ONLY.
3 HOURS

00063	LECT-DISC	A	8	M	W	F	317	D K H		COURTNEY
00064	LECT-DISC	B	9	M	W	F	317	D K H		COURTNEY
00065	LECT-DISC	C	10	M	W	F	215	D K H		J SMITH
00066	LECT-DISC	X	12	M	W	F	215	D K H		J SMITH
00067	LECT-DISC	F	2	M	W	F	317A	D K H		BEAMS
00068	LECT-DISC	G	3	M	W	F	317A	D K H		BEAMS

ACCY 203 BUSINESS AND ACCOUNTING METHODS.
NOT OPEN TO COMMERCE STUDENTS.
PREREQUISITE--JUNIOR STANDING.
2 HOURS

00069	LECT-DISC	B	9	M		F	158	V M		BRIGHTON

ACCY 206 COST ACCOUNTING FOR ENGINEERS.
NOT OPEN TO STUDENTS WHO HAVE RECEIVED CREDIT IN ACCY. 101 OR ACCY. 201.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING.
3 HOURS

00070	LECT-DISC	C	10	M	W	F	143B	M E B		DICKEY
00071	LECT-DISC	D	11	M	W	F	143B	M E B		DICKEY

ACCY 274 BASIC FEDERAL INCOME TAX ACCOUNTING.
PREREQUISITE--ACCY. 108.
3 HOURS

00072	LECT-DISC	A	8	M	W	F	215	D K H		CLARKE
00073	LECT-DISC	B	9	M	W	F	215	D K H		CLARKE
00074	LECT-DISC	D	11	M	W	F	215	D K H		CLARKE

ACCY 292 HONORS COURSE.
2 TO 4 HOURS

00075	CONF	&	ARR	HOLZER

ACCY 296 INDEPENDENT STUDY.
PREREQUISITE--CLASS OR COLLEGE HONORS IN JUNIOR YEAR.
*TEN SEMESTER HOURS IN THIS DEPARTMENT OR SIXTEEN SEMESTER HOURS DIVIDED BETWEEN THIS DEPARTMENT AND ANY OTHER DEPARTMENT MAY BE ACCUMULATED.
*3 TO 5 HOURS

00076	CONF	&	ARR	HOLZER

ACCY 308 ADVANCED ACCOUNTING.
PREREQUISITE--ACCY. 106 AND 108, AN AVERAGE OF C OR BETTER IN PRECEDING COURSES IN ACCOUNTANCY.
3 HOURS, OR 3/4 UNIT

00077	LECT-DISC	A	8	M W F	30	COM W	PETERSON
00078	LECT-DISC	B	9	M W F	30	COM W	PETERSON
00079	LECT-DISC	C	10	M W F	30	COM W	ELLIOTT
00080	LECT-DISC	D	11	M W F	30	COM W	ELLIOTT

ACCY 325 FUNDAMENTAL PRINCIPLES OF ACCOUNTING SYSTEM CONSTRUCTION.
PREREQUISITE--ACCY. 308.
3 HOURS, OR 3/4 UNIT

00081	LECT-DISC	J	8-920	TU TH	115	D K H	ANTONIO
00082	LECT-DISC	L	10-1120	TU TH	317	D K H	WEBER
00083	LECT-DISC	N1	1-220	TU TH	317	D K H	WEBER
00084	LECT-DISC	N2	1-220	TU TH	115	D K H	ANTONIO

ACCY 341 GOVERNMENTAL ACCOUNTING.
PREREQUISITE--ACCY. 108.
2 HOURS, OR 1/2 UNIT

00085	LECT-DISC	K	9	TU TH	30	COM W	LUKAS
00086	LECT-DISC	L	10	TU TH	30	COM W	LUKAS

ACCY 366 ADVANCED COST ACCOUNTING.
PREREQUISITE--MINIMUM OF NINE HOURS OF ACCOUNTANCY, INCLUDING ACCY. 106.
2 HOURS, OR 1/2 UNIT

00087	LECT-DISC	J	8	TU TH	160	COM W	BRIESKE
00088	LECT-DISC	L	10	TU TH	160	COM W	BRIESKE
00089	LECT-DISC	M	11	TU TH	160	COM W	BRIESKE

ACCY 371 AUDITING.
PREREQUISITE--ACCY. 308.
3 HOURS, OR 3/4 UNIT

00090	LECT-DISC	A	8	M W F	115	D K H	A SMITH
00091	LECT-DISC	B	9	M W F	115	D K H	A SMITH
00092	LECT-DISC	D	11	M W F	115	D K H	A SMITH
00093	LECT-DISC	F	2	M W F	152	COM W	WAKEFIELD
00094	LECT-DISC	G	3	M W F	152	COM W	WAKEFIELD

ACCY 372 AUDITING PROBLEMS AND CASES.
PREREQUISITE--ACCY. 371.
3 HOURS, OR 3/4 UNIT

00095	LECT-DISC	J	8-920	TU TH	243	COM W	FESS
00096	LECT-DISC	L	10-1120	TU TH	243	COM W	FESS

ACCY 374 ADVANCED INCOME TAX PROBLEMS.
PREREQUISITE--SENIOR STANDING, ACCY. 274 AND 308.
3 HOURS, OR 3/4 UNIT

00097	LECT-DISC	A	8	M W F	160	COM W	WHEELER
00098	LECT-DISC	B	9	M W F	160	COM W	WHEELER
00099	LECT-DISC	F	2	M W F	243	COM W	BRIGHTON
00100	LECT-DISC	G	3	M W F	243	COM W	BRIGHTON

ACCY 377 ADVANCED PROBLEMS.
PREREQUISITE--SENIOR STANDING, CREDIT OR REGISTRATION IN ACCY. 371.
3 HOURS, OR 1 UNIT

00101	LECT-DISC	A	8	M W F	243	COM W	WYATT
00102	LECT-DISC	B	9	M W F	243	COM W	CASLER
00103	LECT-DISC	C	10	M W F	243	COM W	CASLER

ACCY 378 C P A PROBLEMS.
PREREQUISITE--ACCY. 377.
3 HOURS, OR 1 UNIT

00104	LECT-DISC	A	8-10	M W	152	COM W	PERRY
00105	LECT-DISC	C	10-12	M W	152	COM W	WYATT
00106	LECT-DISC	L	10-12	TU TH	152	COM W	WYATT
00107	LECT-DISC	N	1-3	TU TH	243	COM W	PERRY

ACCY 441 STATE AND FEDERAL ACCOUNTING THEORY.
1 UNIT

00108	LECT-DISC	2-4	TH	11	COM W	LUKAS

ACCY 455 MACRO-ACCOUNTING.
SAME AS ECON. 455.
PREREQUISITE--INTERMEDIATE MACRO-ECONOMIC THEORY OR CONSENT OF INSTRUCTOR.
1 UNIT

00109	LECT-DISC	10-12	TU	94	COM W	DE MARIS, ZIMMERMAN

ACCY 461 ADMINISTRATIVE ACCOUNTING.
1 UNIT

00110	LECT-DISC	4-6	F	152	COM W	THOMAS

ACCY 472 AUDITING STANDARDS AND TECHNIQUES.
1 UNIT

00111	LECT-DISC	4-6	TH	152	COM W	MAUTZ

ACCY 481 CONCEPTS AND PRINCIPLES.
1 UNIT

00112	LECT-DISC	2-4	TU	152	COM W	MOYER

ACCY 483 INCOME DETERMINATION.
1 UNIT

00113	LECT-DISC	2-4	TU	24	COM W	BEDFORD

ACCY 489 HISTORY OF ACCOUNTING THEORY.
1 UNIT

00114	LECT-DISC	4-6	W	152	COM W	ZIMMERMAN

ACCY 493 SPECIAL RESEARCH PROBLEMS.
1/4 TO 2 UNITS

00115	CONF	10-12	TH	94	COM W	HARTMANN

ACCY 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
M. S. CANDIDATES SHOULD REGISTER IN SECTION S1, AND PH. D. CANDIDATES IN SECTION S2.

00116	DISC	S1	4-6	TU	240	COM W	WAKEFIELD
00117	DISC	S2	4-6	TU	240	COM W	MAUTZ

ACCY 577 PROFESSIONAL PROBLEMS.
PREREQUISITE--CANDIDACY FOR M.A.S. DEGREE.
1 UNIT

00118	LECT-DISC	8-10	TU TH	152	COM W	PERRY

ACCY 594 METHODS AND PRACTICES IN PROFESSIONAL RESEARCH.
PREREQUISITE--CANDIDACY FOR M.A.S. DEGREE.
1 UNIT

00119	LECT-DISC	4-6	M	152	COM W	CASLER

DEPARTMENT OFFICE 120A G H

COURSES FOR ADVANCED UNDERGRADUATES

ADV 281 INTRODUCTION TO ADVERTISING.
*CREDIT IS NOT GIVEN FOR BOTH ADV. 281 AND MKTG. 287.
3 HOURS
*HOURS SECTION.

00122	LECT-DISC	A	4	M	W	F	43	G H	
00123	LECT-DISC	B	7	M	W	F	43	G H	
00124	LECT-DISC	C	10	M	W	F	43	G H	
00125	LECT-DISC	D	11	M	W	F	43	G H	
00124	LECT-DISC	E	1	M	W	F	43	G H	
00125	LECT-DISC	G	3	M	W	F	43	G H	

ADV 282 SALES WRITING.
SAME AS MKTG. 282 AND BRET. 271.
PREREQUISITE--BRET. 161, 172, AND 151, OR CONSENT OF INSTRUCTOR.
2 HOURS

00126	LECT-DISC	E	9	TU TH		106	D K H		MAGUIRE
00127	LECT-DISC	F	11	TU TH		306	D K H		MAGUIRE
00128	LECT-DISC	F	2	M W		106	D K H		GIESELMAN

ADV 291 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

00129	CONF	AA	ARR		STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ADV 302 PUBLIC RELATIONS.
PREREQUISITE--SENIOR STANDING IN THE COLLEGE OF JOURNALISM AND COMMUNICATIONS OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

00130	LECT-DISC		11	TU TH		113	G H		

ADV 332 ADVERTISING COPY AND LAYOUT.
SAME AS MKTG. 332.
PREREQUISITE--ADV. 281 OR MKTG. 287.
*CREDIT IS NOT GIVEN FOR BOTH ADV. 332 AND 282.
*4 HOURS, OR 1 UNIT

00131	LECT		10	M W		9	G H		
00132	LAB	H	1-3	M W		18	G H		
00133	LAB	J	-10	TU TH		13	G H		
00134	LECT	L	10-12	TU TH		19	G H		
00135	LAB	K	1-3	TU TH		18	G H		

ADV 343 ADVERTISING MEDIA.
SAME AS MKTG. 343.
PREREQUISITE--ADV. 281 OR MKTG. 287.
3 HOURS, OR 1/2 UNIT

00136	LECT-DISC	E	9	M W F		13	G H		
00137	LECT-DISC	F	2	M W F		43	G H		

ADV 344 ADVERTISING CAMPAIGNS.
SAME AS MKTG. 344.
PREREQUISITE--ADV. 332 OR 282 AND ADV. 343.
3 HOURS, OR 1/2 UNIT

00138	LECT-DISC	A	4	M W F		113	G H		MOYER
00139	LECT-DISC	B	11	M W F		113	G H		MOYER

ADV 345 ADVERTISING, PROMOTION AND SALES.
SAME AS MKTG. 345.
PREREQUISITE--ADV. 281 OR MKTG. 287.
2 HOURS, OR 1/2 UNIT

00140	LECT	M	11	TU		225	G H		MCCLURE
00140	LAB	M	10-12	TH		225	G H		MCCLURE
00141	LECT	O	2	TU		225	G H		MCCLURE
00141	LAB	O	2-4	TH		225	G H		MCCLURE

ADV 386 RADIO AND TELEVISION ADVERTISING.
SAME AS MKTG. 386.
PREREQUISITE--ADV. 281 OR MKTG. 287.
2 HOURS, OR 1/2 UNIT

00142	LECT-DISC	C	10	M W	18	G H		MCCLURE

ADV 387 ADVERTISING POLICIES AND PROBLEMS.
SAME AS MKTG. 387.
PREREQUISITE--ADV. 281 OR MKTG. 287.
3 HOURS, OR 1/2 OR 1 UNIT

00143	LECT-DISC	A	8	M W F	305	D K H		WEDDING
00144	LECT-DISC	B	9	M W F	305	D K H		WEDDING

ADV 388 ADVERTISING IN CONTEMPORARY SOCIETY.
SAME AS MKTG. 388.
PREREQUISITE--ADV. 281 OR MKTG. 287 OR CONSENT OF INSTRUCTOR.
*GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388 AND 481.
*2 HOURS, OR 1/2 UNIT

00145	LECT-DISC	K	9	TU TH	123	G H		SIMON
00146	LECT-DISC	M	11	TU TH	43	G H		

COURSES FOR GRADUATES

ADV 481 ADVANCED ADVERTISING PRINCIPLES.
SAME AS MKTG. AND COMM. 481.
*GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 388 AND 481.
*1 UNIT

00147	LECT-DISC		3-5	W	123	G H		SANDAGE

ADV 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
SAME AS COMM. AND MKTG. 482.
1 UNIT

00148	LECT-DISC		1-3	TH	123	G H		SIMON

ADV 490 SPECIAL TOPICS IN ADVERTISING.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1/2 OR 1 UNIT

00149	CONF		ARR					STAFF

ADV 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN ADVERTISING.
1 OR 2 UNITS

00150	CONF		ARR					STAFF

AERONAUTICAL AND ASTRONAUTICAL ENGINEERING

DEPARTMENT OFFICE 101 T B

COURSES FOR ADVANCED UNDERGRADUATES

A A E 211 AERODYNAMICS OF PERFECT FLUIDS.
PREREQUISITE--T A M 156, CREDIT OR REGISTRATION IN MATH. 343.
3 HOURS

00151	LECT-DISC	A	11	M W F	103	T B		
00152	LECT-DISC	B	9	M W F	203	T B		

A A E 214 AERODYNAMICS OF THE AIRPLANE.
PREREQUISITE--A A E 211.
3 HOURS

00153	LECT-DISC	A	8	M W F	204	T B		
00154	LECT-DISC	B	2	M W F	204	T B		

A A E 216 AERODYNAMICS OF COMPRESSIBLE FLUIDS.
PREREQUISITE--A A E 211 AND 232.
3 HOURS

00155	LECT-DISC	A	9	M W F	204	T B		
00156	LECT-DISC	B	1	M W F	204	T B		

A A E 220 AIRCRAFT STRUCTURES.
PREREQUISITE--T A M 221 AND 223.
3 HOURS

00157	LECT-DISC	A	9	M	W	F	105	T B
00158	LECT-DISC	B	1	M	W	F	105	T B

A A E 221 AIRCRAFT SHELL STRUCTURES.
PREREQUISITE--A A E 220.
3 HOURS

00159	LECT-DISC	A	10	M	W	F	105	T B
00160	LECT-DISC	B	2	M	W	F	103	T B

A A E 222 INDETERMINATE AIRCRAFT STRUCTURES.
PREREQUISITE--A A E 221.
3 HOURS

00161	LECT-DISC	A	10	M	W	F	103	T B
00162	LECT-DISC	B	1	M	W	F	136	M E B

A A E 232 AEROTHERMODYNAMICS.
PREREQUISITE--M. E. 202 OR 205, A A E 211.
3 HOURS

00163	LECT-DISC	A	9	M	W	F	103	T B
00164	LECT-DISC	B	1	M	W	F	103	T B

A A E 233 AIRCRAFT PROPULSION.
PREREQUISITE--A A E 232.
3 HOURS

00165	LECT-DISC	A	11	M	W	F	105	T B
00166	LECT-DISC	B	3	M	W	F	105	T B

A A E 241 FLIGHT VEHICLE DESIGN.
PREREQUISITE--A A E 214.
3 HOURS

00167	LAB	A	10-12	TU			103	T B
00168	LAB	B	3-5		W		103	T B
00169	LAB	C	10-12			TH	103	T B

A A E 250 INTRODUCTION TO AEROELASTICITY.
PREREQUISITE--REGISTRATION IN A A E 222.
3 HOURS

00170	LECT-DISC	A	8	M	W	F	103	T B
00171	LECT-DISC	B	11	M	W	F	204	T B

A A E 261 AERODYNAMICS LABORATORY.
PREREQUISITE--A A E 232.
2 HOURS

00172	LECT-DISC		10-12	TU			203	T B
00173	LAB	A	3-5	M			332	M E B
00174	LAB	B	10-12			S	332	M E B
00175	LAB	C	3-5		W		332	M E B
00176	LAB	D	10-12			TH	353	M E B

A A E 262 AIRCRAFT POWER PLANT LABORATORY.
PREREQUISITE--A A E 233.
1 HOUR

00177	LAB	A	2-5	M			109	AERO LAB B
00178	LAB	B	2-5	TU			109	AERO LAB B
00179	LAB	C	2-5			TH	109	AERO LAB B
00180	LAB	D	2-5			F	109	AERO LAB B
00181	LAB	E	2-5	TU			109	AERO LAB B
00182	LAB	F	2-5			TH	109	AERO LAB B

A A E 264 AIRCRAFT STRUCTURES LABORATORY.
PREREQUISITE--A A E 221.
2 HOURS

00183	LECT-DISC		10-12			S	103	T B
00184	LAB	A	8-10	TU			111	AERO LAB B
00185	LAB	B	1-3	TU			111	AERO LAB B
00186	LAB	C	3-5	TU			111	AERO LAB B
00187	LAB	D	3-5			TH	111	AERO LAB B
00188	LAB	E	8-10			TH	111	AERO LAB B
00189	LAB	F	1-3			TH	111	AERO LAB B

A A E 291 SEMINAR.
PREREQUISITE--SENIOR STANDING.
1 HOUR

00190	DISC	A	9		TH	203	T B
00191	DISC	B	9	TU		203	T B
00192	DISC	C	10		TH	203	T B

A A E 292 SEMINAR.
PREREQUISITE--SENIOR STANDING.
1 HOUR

00193	DISC	A	9	TU		204	T B
00194	DISC	B	9		TH	204	T B
00195	DISC	C	10	TU		204	T B
00196	DISC	D	8	TU		204	T B
00197	DISC	E	8		TH	204	T B

A A E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS
00198 CONF &A ARR

A A E 297 HONORS SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS
00199 CONF &A ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

A A E 334 ROCKET PROPULSION AND ROCKETRY.
PREREQUISITE--FIRST COURSE IN THERMODYNAMICS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT
00200 LECT-DISC A 2 M W F 105 T B

A A E 391 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS, OR 1/2 OR 1 UNIT

00201	LECT-DISC	A	ARR				
00202	LECT-DISC	B	3	M	W	F	204 T B
00203	LECT-DISC	C	10	M	W	F	203 T B

COURSES FOR GRADUATES

A A E 414 BOUNDARY LAYER THEORY.
PREREQUISITE--A A E 216 AND 232, OR EQUIVALENT.
1 UNIT
00204 LECT-DISC A 9 M W F 252 M E B

A A E 416 HYPERSONIC AERODYNAMICS.
PREREQUISITE--A A E 411.
1 UNIT
00205 LECT-DISC A 11 M W F 203 T B

A A E 418 THEORY OF RAREFIED GAS FLOWS.
PREREQUISITE--PHYCS. 362.
1 UNIT
00206 LECT-DISC A 1 M W F 236 M E B

A A E 427 THERMAL STRESSES AND CREEP BUCKLING.
PREREQUISITE--A A E 426 OR CONSENT OF INSTRUCTOR.
1 UNIT
00207 LECT-DISC A 8 M W F 203 T B

A A E 429 THEORY OF LINEAR AND NONLINEAR VISCOELASTICITY.
PREREQUISITE--A A E 426 OR CONSENT OF INSTRUCTOR.
1 UNIT
00208 LECT-DISC A 10 M W F 204 T B

A A E 492 STOCHASTIC STRUCTURAL DYNAMICS.
PREREQUISITE--A A E 250 OR T.A.M. 412 OR EQUIVALENT.
1 UNIT

00209	LECT-DISC	A	2	M W F	238	M E B		

A A E 490 SEMINAR.
PREREQUISITE--GRADUATE STANDING IN AERONAUTICAL AND ASTRONAUTICAL ENGINEERING.
NO CREDIT

00210	CONF	A	4	F	103	T B		

A A E 493 SPECIAL PROBLEMS.
1 OR 2 UNITS

00211	CONF	A	ARR					

A A E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

00212	CONF	A	ARR					

AGRICULTURAL ECONOMICS

INCLUDING RURAL SOCIOLOGY

DEPARTMENT OFFICE 305 M H

COURSES FOR UNDERGRADUATES

AG EC 100 INTRODUCTORY AGRICULTURAL ECONOMICS.
•NO CREDIT FOR JUNIORS AND SENIORS.
•3 HOURS

00213	LECT		10	W	135	A S L		KELLY
00214	DISC	C1	10	M F	N107	T H		KELLY
00215	DISC	C2	10	M F	135	A S L		BUDDEMEIER
00216	DISC	L	10	TU TH	313	M H		BUDDEMEIER

COURSES FOR ADVANCED UNDERGRADUATES

AG EC 200 PROBLEMS IN AGRICULTURAL ECONOMICS.
PREREQUISITE--MINIMUM GRADE-POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT.
SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.
3 TO 5 HOURS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--
A--AGRICULTURAL MARKETING
BARTLETT, BRINEGAR, BROADBENT, HIERONYMUS
JUDGE, KELLY, MUTTI, ROUSH, SCHMIDT,
B--AGRICULTURAL PRICES AND STATISTICAL ANALYSIS
JUDGE, WEST
C--FARM MANAGEMENT AND LAND ECONOMICS
BAKER, BUDDEMEIER, DOVRING, HEADLEY, HERBST, HOLCOMB, REISS, SWANSON, WILLS
D-RURAL ORGANIZATION FOLSE, LINDSTROM
E-AGRICULTURAL LAW HANNAH, KRAUSZ
F-AGRICULTURAL POLICY HALCROW, SCHMIDT, SPITZE
G--AGRICULTURAL FINANCE BAKER, HOLCOMB, SPITZE

00217	CONF		ARR					

AG EC 203 FARM TAXATION.
2 HOURS

00218	LECT-DISC	M	11	TU TH	320	M H		KRAUSZ

AG EC 220 FARM MANAGEMENT.
PREREQUISITE--AG. EC. 100 OR ECON. 108.
FIELD TRIPS, ESTIMATED EXPENSE, $3.
3 HOURS

00219	LECT-DISC	A1	8	M W F	313	M H		HERBST
00220	LECT-DISC	A2	8	M W F	442	M H		
00221	LECT-DISC	C	10	M W F	442	M H		HOLCOMB
00222	LECT-DISC	J	8	TU	316S	M H		HERBST
		J	8-10	TH	316S	M H		

AG EC 230 MARKETING OF AGRICULTURAL PRODUCTS.
FIELD TRIP, ESTIMATED EXPENSE, $3.
3 HOURS

00223	LECT-DISC	F	2	M	W	F	313	M H		MUTTI
00224	LECT-DISC	G	3	M	W	F	320	M H		MUTTI

AG EC 238 DISTRIBUTION OF FARM SUPPLIES.
PREREQUISITE--ACCY. 101 OR 201 AND ECON. 109.
3 HOURS

00225	LECT-DISC	N	10-12		TU		405	M H		MUTTI
		N	10			TH	405	M H		

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AG EC 303 AGRICULTURAL LAW.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

00226	LECT-DISC	D	11	M	W	F	405	M H		HANNAH

AG EC 305 AGRICULTURAL POLICIES AND PROGRAMS.
PREREQUISITE--ECON. 108.
FIELD TRIP, ESTIMATED EXPENSE, $5.
3 HOURS, OR 3/4 OR 1 UNIT

00227	LECT-DISC	E	1	M	W	F	316S	M H		SPITZE

AG EC 312 FARM APPRAISALS.
SAME AS AGRON. 312.
PREREQUISITE--AGRON. 101 AND AG. EC. 220 OR 218 OR EQUIVALENT.
FIELD TRIPS, ESTIMATED EXPENSE, $7.
5 HOURS, OR 1 UNIT

00228	LECT-DISC	B	9	M	W	F	320	M H		REISS AND
00228	LAB	B	8-12			S	320	M H		OTHERS

AG EC 324 FARM OPERATION.
PREREQUISITE--AG. EC. 220.
FIELD TRIPS, ESTIMATED EXPENSE, $5.
3 HOURS, OR 3/4 OR 1 UNIT

00229	LECT-DISC	C	10	M	W	F	320	M H		VAN ARSDALL
00230	LECT-DISC	F	2	M	W	F	320	M H		WILLS

AG EC 326 PROFESSIONAL FARM MANAGEMENT.
PREREQUISITE--CREDIT OR REGISTRATION IN AG. EC. 324, AG. EC. 325.
FIELD TRIPS, ESTIMATED EXPENSE, $15.
3 HOURS, OR 3/4 OR 1 UNIT

00231	LECT-DISC	A	8	M	W	F	405	M H		HOLCOMB

AG EC 332 LIVESTOCK MARKETING.
SAME AS AN. S. AND MKTG. 332.
PREREQUISITE--ECON. 108, AG. EC. 230 OR MKTG. 101.
FIELD TRIP, ESTIMATED EXPENSE, $10.
3 HOURS, OR 3/4 OR 1 UNIT

00232	LECT		2			F	W109	T H		BROADBENT
00233	DISC	F	2	M	W		316S	M H		BROADBENT
00234	DISC	G	3	M	W		316S	M H		BROADBENT

AG EC 334 MARKETING OF DAIRY PRODUCTS.
SAME AS D. S. AND MKTG. 334.
PREREQUISITE--AG. EC. 230, OR MKTG. 101, OR TWELVE HOURS OF
DAIRY SCIENCE OP DAIRY TECHNOLOGY.
INSPECTION TRIP, ESTIMATED EXPENSE, $5.
3 HOURS, OR 3/4 OR 1 UNIT

00235	LECT-DISC	A	8	M	W	F	316S	M H		BARTLETT

AG EC 337 ECONOMIC HISTORY OF AMERICAN AGRICULTURE.
SAME AS ECON. AND HIST. 337.
PREREQUISITE--A COLLEGE-LEVEL COURSE IN BASIC ECONOMICS OR
AMERICAN HISTORY.
GRADUATE STUDENTS TAKING THIS COURSE FOR 1 UNIT CREDIT WRITE A
PAPER ON APPROVED TOPIC IN AGRICULTURAL HISTORY.
3 HOURS, OR 1/2 OR 1 UNIT

00236	LECT-DISC	A	8	M	W	F	130	COM W		

AG EC 342 AGRICULTURAL PRICES.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 3/4 OR 1 UNIT
00237 LECT-DISC C 10 M W F 316S M H SCHMIDT

COURSES FOR GRADUATES

AG EC 401 INTERNATIONAL COMPARATIVE AGRICULTURE.
1 UNIT
00238 LECT-DISC 2 M F 405 M H DOVRING

AG EC 404 ECONOMICS OF AGRICULTURAL PRODUCTION.
PREREQUISITE--ECON. 300 OR EQUIVALENT IN ECONOMIC THEORY AND ONE COURSE IN STATISTICS.
1 UNIT
00239 LECT-DISC 830-10 TU TH 405 M H SWANSON

AG EC 436 PROBLEMS IN MARKETING AGRICULTURAL PRODUCTS.
1 UNIT
00240 LECT-DISC 10-12 TU TH 316S M H BRINEGAR

AG EC 442 QUANTITATIVE ANALYSIS IN AGRICULTURAL ECONOMICS.
PREREQUISITE--AG. EC. 441, ECON. 401, MATH. 358 OR EQUIVALENT.
1 UNIT
00241 LECT-DISC 11 M W F 316S M H JUDGE

AG EC 470 SEMINAR IN FAMILY AND CONSUMPTION ECONOMICS.
SAME AS H. EC. 470.
PREREQUISITE--ECON. 102 OR 108 AND A COURSE IN STATISTICS, AG.EC. 370 OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
00242 DISC ARR 154 BEV HALL DUNSING

AG EC 491 SEMINAR AND SPECIAL TOPICS.
EACH GRADUATE STUDENT WHOSE MAJOR IS AGRICULTURAL ECONOMICS MUST REGISTER IN THIS COURSE.
*ONLY STUDENTS WHO REGISTER FOR CREDIT AND COMPLETE SPECIAL STUDIES UNDER DIRECTION OF ONE OR MORE STAFF MEMBERS WILL RECEIVE CREDIT.
*0 TO 2 UNITS
*SECTION A IS FOR FIRST-YEAR GRADUATE STUDENTS.
*SECTION B IS FOR SECOND-YEAR GRADUATE STUDENTS.
00243 LECT-DISC *A 3-5 TU 405 M H STAFF
00244 LECT-DISC *B 3-5 TU 405 M H STAFF

AG EC 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
00245 CONF ARR STAFF

RURAL SOCIOLOGY
DEPARTMENT OF AGRICULTURAL ECONOMICS

COURSES FOR UNDERGRADUATES

R SOC 117 INTRODUCTION TO RURAL SOCIOLOGY.
*NO CREDIT TO STUDENTS WITH CREDIT IN SOC. 100.
*3 HOURS
00246 LECT-DISC B 9 M W F 316S M H FOLSE

COURSES FOR ADVANCED UNDERGRADUATES

R SOC 277 RURAL SOCIAL CHANGE.
SAME AS SOC. 277.
PREREQUISITE--SOC. 100 OR R. SOC. 117.
FIELD TRIP, ESTIMATED EXPENSE, $5.
3 HOURS
00247 LECT-DISC D 11 M W F 320 M H LINDSTROM

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

R SOC 370 POPULATION AND SOCIAL ECOLOGY.
SAME AS SOC. 370.
PREREQUISITE--SOC. 185 OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT

00248	LECT-DISC	K	8-10	TU	320	M H	FULSE
		K	8	TH	320	M H	

COURSES FOR GRADUATES

R SOC 477 RURAL COMMUNITY ORGANIZATION AND DEVELOPMENT.
SAME AS SOC. 477.
PREREQUISITE--SOC. 100 OR R. SOC. 117.
FIELD TRIP, ESTIMATED EXPENSE, $5.
1 UNIT

00249	LECT-DISC		3-5	W	405	M H	LINDSTRUM

R SOC 487 SPECIAL PROBLEMS IN RURAL SOCIOLOGY.
SAME AS SOC. 487.
PREREQUISITE--ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY.
CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

00250	CONF		ARR				STAFF

AGRICULTURAL ENGINEERING

DEPARTMENT OFFICE 206 AGR ENG

NOTE COURSES IN AGRICULTURAL ENGINEERING FOR NON-ENGINEERING STUDENTS ARE 100, 112, 200, 201, 241, 252, 272, 300, 361, 381 COURSES FOR ENGINEERING STUDENTS ARE 156, 276, 286, 298, 299, 336, 356, 376, 387 AND 396.

COURSES FOR UNDERGRADUATES

AG E 100 ENGINEERING APPLICATIONS IN AGRICULTURE.
PREREQUISITE--MATH. 111, 112, 104 OR EQUIVALENT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

00251	LECT		10	M	201	AGR ENG	OLVER
00252	LAB-DISC	1	10-12	W F	132	AGR ENG	
00253	LAB-DISC	2	1-3	TU TH	132	AGR ENG	
00254	LAB-DISC	3	3-5	TU TH	221	AGR ENG	

AG E 112 TRACTORS AND FIELD MACHINERY.
PREREQUISITE--SOPHOMORE STANDING, ENROLLMENT IN TEACHER TRAINING OR AGRICULTURAL EXTENSION CURRICULUM, OR CONSENT OF INSTRUCTOR.
INSPECTION TRIP, ESTIMATED EXPENSE, $3.
*CREDIT NOT GIVEN TO STUDENTS WITH CREDIT IN AG. E. 221.
*3 HOURS

00255	LECT		1	W F	201	AGR ENG	YOERGER
00256	LAB	1	10-12	M	132	AGR ENG	
00257	LAB	2	3-5	TU	132	AGR ENG	
00258	LAB	3	8-10	TU	132	AGR ENG	

AG E 156 SURVEYING AND SOIL AND WATER ENGINEERING.
PREREQUISITE--SOPHOMORE STANDING IN ENGINEERING.
3 HOURS

00259	LECT-DISC		1	M W F	218	AGR ENG	FENTL
00260	LAB	1	9-12	TU	202	AGR ENG	
00261	LAB	2	2-5	TU	202	AGR ENG	

COURSES FOR ADVANCED UNDERGRADUATES

AG E 200 FARM SHOP--CARPENTRY AND CONSTRUCTION.
PREREQUISITE--AG. E. 111 AND ENROLLMENT IN A TEACHER-TRAINING CURRICULUM, OR CONSENT OF INSTRUCTOR.
3 HOURS

00262	LECT-DISC	3		F	218	AGR ENG	ESPENSCHIED
00262	LAB	3-5	M W		VOC AGR SHOP		

AG E 201 FARM SHOP--ELECTRICAL AND METAL WORK.
PREREQUISITE--AG. E. 112 AND ENROLLMENT IN A TEACHER-TRAINING CURRICULUM, OR CONSENT OF INSTRUCTOR.
3 HOURS

00263	LAB	1-3	MTU THF		VOC AGR SHOP		ESPENSCHIED

AG E 241 FARM TRACTOR POWER.
PREREQUISITE--AG. E. 221.
3 HOURS

00264	LECT	10	TU TH		132	AGR ENG	WEBER
00264	LAB	3-5	TH		132	AGR ENG	

AG E 252 MECHANICS OF SOIL AND WATER CONSERVATION.
PREREQUISITE--AG. E. 100.
*STUDENTS WITH CREDIT IN AG. E. 111 RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

00265	LECT	11	TU TH		218	AGR ENG	JONES
00265	LAB	1-4	TH		202	AGR ENG	

AG E 272 FARM BUILDINGS.
PREREQUISITE--AG.E. 100.
*STUDENTS WITH CREDIT IN AG. E. 111 RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

00266	LECT	10	M	F	218	AGR ENG	CURTIS
00266	LAB	10-12	W		202	AGR ENG	

AG E 276 DESIGN OF FARM STRUCTURES.
PREREQUISITE--T A M 221.
3 HOURS

00267	LECT	1	TU TH		201	AGR ENG	DAY
00267	LAB	3-5		F	202	AGR ENG	

AG E 286 ELECTRICITY IN AGRICULTURE.
PREREQUISITE--E E 220.
2 HOURS

00268	LECT		8	TU TH	218	AGR ENG	OLVER
00269	LAB	1	9-11	TU	221	AGR ENG	
00270	LAB	2	9-11	TH	221	AGR ENG	

AG E 298 UNDERGRADUATE SEMINAR.
REQUIRED OF AGRICULTURAL ENGINEERING SENIORS.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING.
3 DAY FIELD TRIP REQUIRED.
1 HOUR

00271	CONF	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AG E 299 UNDERGRADUATE THESIS.
PREREQUISITE--AG. E. 298 AND SENIOR STANDING IN ENGINEERING.
2 TO 4 HOURS

00272	CONF	ARR	STAFF

AG E 300 SPECIAL PROBLEMS.
PREREQUISITE--NON-ENGINEERING STUDENT, MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND SPECIAL PROBLEMS COURSE.
3 HOURS, OR 1/2 UNIT

00273	CONF	ARR	LANHAM AND STAFF

AG E 336 DESIGN OF AGRICULTURAL MACHINERY.
PREREQUISITE--M.E. 224.
3 HOURS, OR 1/2 UNIT

00274	LECT-DISC	2	M	F	202	AGR ENG	HUNT
00274	LAB	3-5	M		202	AGR ENG	
		2-5		W	202	AGR ENG	

AG E 356 SOIL CONSERVATION STRUCTURES.
PREREQUISITE--T A M 235, AG. E. 277, OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT

00275	LECT	11	M	W	218	AGR ENG	JONES, FENZL
00275	LAB	2-5		TH	209	AGR ENG	

AG E 361 DEVELOPMENT AND FUNCTION OF FAMILY HOUSING.
SAME AS H. EC. 361.
3 HOURS, OR 1/2 UNIT

00276	LECT	11	M	W	201	AGR ENG	HANSEN
00276	LAB	10-12		F	202	AGR ENG	

AG E 376 ADVANCED DESIGN OF FARM STRUCTURES.
PREREQUISITE--C.E. 262, AG.E. 277, OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT

00277	LECT	11	TU	TH	209	AGR ENG	CURTIS
00277	LAB	9-11		TH	209	AGR ENG	

AG E 381 FARM ELECTRICAL EQUIPMENT.
PREREQUISITE--AG. E. 281 OR GRADUATE STANDING IN AGRICULTURE, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

00278	LECT	3	M	F	221	AGR ENG	DAUM
00278	LAB	3-5	W		221	AGR ENG	

AG E 387 AGRICULTURAL PROCESS ENGINEERING.
PREREQUISITE--AG. E. 286 OR CH. E. 363.
3 HOURS, OR 1/2 UNIT

00279	LECT	ARR	SHOVE
00279	LAB	ARR	

AG E 396 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN ENGINEERING.
3 HOURS, OR 1/2 UNIT

00280	CONF	ARR	LANHAM AND STAFF

COURSES FOR GRADUATES

AG E 436 DYNAMICS OF FARM MACHINE ELEMENTS.
PREREQUISITE--AG. E. 236 AND 336, OR EQUIVALENT.
1 UNIT

00281	LECT-DISC	9	M	W	F	132	AGR ENG	YOERGER

AG E 446 FARM TRACTORS.
PREREQUISITE--AG. E. 346, OR EQUIVALENT.
1 UNIT

00282	LECT-DISC	ARR	WEBER

AG E 490 SEMINAR.
1/4 UNIT

00283	CONF	ARR	GRADUATE STAFF

AG E 496 PROBLEMS IN AGRICULTURAL ENGINEERING.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1 UNIT

00284	CONF	ARR	GRADUATE STAFF

AG E 499 THESIS RESEARCH.
1 TO 2 UNITS

00285	CONF	ARR	GRADUATE STAFF

COURSES FOR UNDERGRADUATES

AGR 100 LECTURES FOR FRESHMEN IN AGRICULTURE.
REQUIRED OF ALL FRESHMEN IN AGRICULTURE.
NO CREDIT

00286	LECT-DISC		1	TU	316S	M H	GARDNER

AGR 114 AGRICULTURAL JOURNALISM.
SAME AS JOURN. 114.
3 HOURS

00287	LECT-DISC		10	TU TH	442	M H	EVANS
00288	LAB	1	1	TH	442	M H	
00289	LAB	2	2	TH	442	M H	
00290	LAB	3	3	TH	442	M H	

AGR 190 HONORS SEMINAR--INTERNATIONAL PROBLEMS AS RELATED TO AGRICULTURE.
SAME AS H. EC. 190.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, AND RELATED SCIENCES.
2 HOURS

00291	LECT-DISC	&A	1-3	TU	405	M H	HEADLEY

AGR 192 HONORS SEMINAR--SCIENCE, FOOD, AND WORLD POPULATION.
SAME AS H. EC. 192.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, AND RELATED SCIENCES.
2 HOURS

00292	LECT-DISC	&A	1-3	TH	405	M H	GOTTLIEB

COURSES FOR ADVANCED UNDERGRADUATES

AGR 206 COOPERATIVE EXTENSION WORK.
PREREQUISITE--AGR. 114 AND A COURSE IN SOCIOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS

00293	LECT-DISC	A	10	TU	W115	T H	ANDERSON
		A	10-12	TH	W115	T H	

AGR 214 ADVANCED AGRICULTURAL JOURNALISM.
SAME AS JOURN. 214.
PREREQUISITE--AGR. 114 OR CONSENT OF INSTRUCTOR.
3 HOURS

00294	LECT-DISC		9	TU TH	313	M H	EVANS
00294	LAB		8	TU	442	M H	

AGR 295 HONORS SEMINAR--FOOD AND AGRICULTURE IN ECONOMIC DEVELOPMENT.
SAME AS H. EC. 295.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, OR RELATED SCIENCES.
2 HOURS

00295	LECT-DISC	&A	3-5	TU	316S	M H	SPITZE

AGRONOMY

DEPARTMENT OFFICE 201 T H

COURSES FOR UNDERGRADUATES

AGRON 101 INTRODUCTORY SOILS.
PREREQUISITE--CHEM. 101, 102, OR 111, CREDIT OR REGISTRATION IN GEOL. 105.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00296	LECT	A	10	M W F	W109	T H		SABEY AND STAFF
00297	LECT	B	11	M W F	W109	T H		
00298	LAB	1	1-4	M	W 1	T H		
00299	LAB	2	1-4	TU	W 1	T H		
00300	LAB	3	1-4	W	W 1	T H		
00301	LAB	4	1-4	TH	W 1	T H		
00302	LAB	5	1-4	F	W 1	T H		

AGRON 110 PLANT AND ANIMAL GENETICS.
SAME AS AN. S., D. S., AND HORT. 110.
PREREQUISITE--BOT. 100, ZOOL. 104.
3 HOURS

00303	LECT		2	M W	W109	T H		D E ALEXANDER
00304	LAB	1	1-3	TU	W 13	T H		AND STAFF
00305	LAB	2	3-5	TU	W 13	T H		
00306	LAB	3	1-3	TH	W 13	T H		

AGRON 121 PRINCIPLES OF FIELD CROP SCIENCE.
PREREQUISITE--BOT. 100.
FIELD TRIP. ESTIMATED EXPENSE, $5.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00307	LECT		[illegible]	M W F	W109	T H		BURGER
00308	LAB	1	10-12	TU	W 13	T H		AND STAFF
00309	LAB	2	1-3	W	W 13	T H		
00310	LAB	3	3-5	W	W 13	T H		
00311	LAB	4	10-12	TH	W 13	T H		

COURSES FOR ADVANCED UNDERGRADUATES

AGRON 204 INTRODUCTORY PLANT PATHOLOGY.
SAME AS PL. PA. 204.
PREREQUISITE--BOT. 100, JUNIOR STANDING.
3 HOURS

00312	LAB-DISC		10-12	TU TH	W121	T H		BEVER

AGRON 240 AN INTRODUCTION TO APPLIED STATISTICS.
PREREQUISITE--MATH. 111, OR 112, OR 104 OR EQUIVALENT.
3 HOURS

00313	LECT-DISC		11	M W F	W115	T H		JACOB

AGRON 290 UNDERGRADUATE AGRONOMY SEMINAR.
PREREQUISITE--SENIOR STANDING.
1 HOUR

00314	DISC		4	TH	N107	T H		BURGER, SABEY

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AGRON 300 ADVANCED SPECIAL PROBLEMS.
PREREQUISITE--MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEMS COURSE.
*CREDIT IS NOT GIVEN TO GRADUATE STUDENTS MAJORING IN AGRONOMY.
*3 TO 5 HOURS, OR 1/2 TO 2 UNITS

00315	LAB-DISC		ARR					STAFF

AGRON 301 SOIL SURVEY, WITH EMPHASIS ON ILLINOIS SOILS.
PREREQUISITE--AGRON. 101.
FIELD TRIPS, ESTIMATED EXPENSE $10.
*CREDIT IS NOT GIVEN TOWARD PH.D. FOR MAJOR OR SOLE MINOR IN AGRONOMY-SOILS.
*3 HOURS, OR 1/2 UNIT

00316	LECT		1	M W		W223	T H		ODELL
00317	LAB	1	1-3		F	W223	T H		
00318	LAB	2	8-10		S	W223	T H		

AGRON 304 SOIL MANAGEMENT AND CONSERVATION.
PREREQUISITE--AGRON. 101.
*CREDIT IS NOT GIVEN FOR AGRON. 304 AND AGRON. 309 AND 310. CREDIT IS NOT GIVEN TOWARD PH.D. FOR MAJOR OR SOLE MINOR IN AGRONOMY-SOILS.
*3 HOURS, OR 1/2 UNIT

00319	LECT	9	M W F	W115	T H		HINESLY

AGRON 310 INTERMEDIATE SOIL SCIENCE, II.
PREREQUISITE--AGRON. 101, CHEM. 122 AND 133, PHYCS. 101 AND 102, BOT. 100, 230, AND 231, GEOL. 105, MCBIO. 100 AND 101, CREDIT OR REGISTRATION IN MATH. 132 OR 133.
*CREDIT IS NOT GIVEN FOR AGRON. 310 AND AGRON. 303 AND 304.
*5 HOURS, OR 1 UNIT

00320	LECT	11	MTUWTH	W223	T H		KURTZ AND STAFF
00320	LAB	1-4	TH	W215	T H		

AGRON 312 FARM APPRAISALS.
SAME AS AG. EC. 312.
PREREQUISITE--AGRON. 101 AND AG. EC. 220, OR 218 OR EQUIVALENT.
FIELD TRIPS, ESTIMATED EXPENSE, $7.
5 HOURS, OR 1 UNIT

00321	LECT-DISC	9	M W F	320	M H		REISS AND
		8-12	S	320	M H		OTHERS

AGRON 322 FORAGE CROPS AND PASTURES.
PREREQUISITE--AGRON. 121.
3 HOURS, OR 1/2 UNIT

00322	LECT-DISC	10	M W F	W115	T H		JACKOBS

COURSES FOR GRADUATES

AGRON 400 SEMINAR.
REQUIRED OF ALL GRADUATE MAJORS IN AGRONOMY.
PREREQUISITE--GRADUATE STANDING.
NO CREDIT

00323	LAB-DISC	ARR		W209	T H		STAFF

AGRON 402 CHEMICAL PROPERTIES OF SOILS. THEIR RELATION TO SOIL DEVELOPMENT AND PLANT GROWTH.
PREREQUISITE--AGRON 101 AND CHEM 101, 105, AND 122, OR EQUIVALENT.
1 UNIT

00324	LECT-DISC	8	M W F	W115	T H		MELSTED

AGRON 405 COLLOIDAL CHEMISTRY OF SOILS.
PREREQUISITE--CHEM. 340 AND 341, OR EQUIVALENT.
1 UNIT

00325	LECT-DISC	11	TU	N107	T H		GIESEKING
		11-1	TH	N107	T H		

AGRON 422 PASTURE, RANGE, AND SOIL CONSERVATION RESEARCH.
PREREQUISITE--AGRON. 121, AGRON. 321, OR 322.
1 UNIT

00326	LECT-DISC	8	M W F	N107	T H		JACKOBS

AGRON 423 THEORY AND ANALYSIS OF PLANT BREEDING PROBLEMS.
1 UNIT

00327	LECT-DISC	8-10	TU TH	W121	T H		LENG

AGRON 424 MINERAL NUTRITION OF PLANTS.
SAME AS BOT. AND HORT. 424.
PREREQUISITE--BOT. 330 OR CONSENT OF INSTRUCTOR.
1 UNIT

00328	LECT-DISC		8	TU TH	N107	T H	HAGEMAN
			8-10	S	N107	T H	

AGRON 426 REGULATION OF PLANT GROWTH BY APPLIED CHEMICALS.
PREREQUISITE--BOT. 230 AND CHEM. 350 OR EQUIVALENTS.
1 UNIT

00329	LECT		9	M W F	152	D H	HANSON, SLIFE

AGRON 441 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, II.
SAME AS AN. S., D.S., HORT., AND V.M.S. 441.
PREREQUISITE--AGRON. 440 OR EQUIVALENT.
1 UNIT

00330	LECT		9	M W F	W109	T H	CARMER
00331	LAB	A	1-3	M	N107	T H	
00332	LAB	B	3-5	M	N107	T H	
00333	LAB	C	1-3	TU	N107	T H	
00334	LAB	D	3-5	TU	N107	T H	

AGRON 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK TO BE TAKEN IN THE FOLLOWING SUBJECTS--
A--SOILS ALDRICH, BEAVERS, FEHRENBACHER, GIESEKING, KLUTE, KURTZ, LANG, MELSTED, ODELL, PETERS, SABEY, STEVENSON, AND TYNER
B--CROPS ALEXANDER, BONNET, BROWN, BURGER, EARLEY, GERDEMANN, HADLEY, HAGEMAN, HANSON, HITTLE, HOOKER, HOWELL, JACKOBS, JACOB, LAUGHNAN LENG, PATTERSON, PENDLETON, SEIF, SLIFE, WEIBEL, WILSON, AND WOOLLEY.

00335	LAB-DISC		ARR				STAFF

AIR SCIENCE

DEPARTMENT OFFICE 222 ARMORY

COURSES FOR UNDERGRADUATES

A S 100 LEADERSHIP LABORATORY.
MUST BE TAKEN IN CONJUNCTION WITH OTHER COURSES.
PREREQUISITE--DETERMINED PHYSICALLY FIT BY THE UNIVERSITY, CITIZEN OF THE UNITED STATES.
NO CREDIT
*CONSENT OF PROFESSOR OF AIR SCIENCE

00336	LAB	A	2	M	ARMORY FLOOR		
		A	2	M	101	ARMORY	
00337	LAB	B	9	TU	ARMORY FLOOR		
		B	9	TU	101	ARMORY	
00338	LAB	C	2	TU	ARMORY FLOOR		
		C	2	TU	101	ARMORY	
00339	LAB	D	9	W	ARMORY FLOOR		
		D	9	W	101	ARMORY	
00340	LAB	E	11	TH	ARMORY FLOOR		
		E	11	TH	101	ARMORY	
00341	LAB	F	1	TH	ARMORY FLOOR		
		F	1	TH	101	ARMORY	
00342	LAB	*G	730PM	W	ARMORY FLOOR		
		*G	730PM	W	101	ARMORY	

ATTENDANCE AT PARADES AND CEREMONIES IS REQUIRED OF BASIC AND ADVANCED STUDENTS.

A S 112 FRESHMAN THEORY COURSE--DEFENSE OF THE UNITED STATES, II.
PREREQUISITE--A. S. 111, OR CONSENT OF PROFESSOR OF AIR SCIENCE.
1 HOUR

00343	LECT-DISC	1	8	M	W	152	ARMORY
00344	LECT-DISC	2	8	M	W	153	ARMORY
00345	LECT-DISC	3	9	M	W	152	ARMORY
00346	LECT-DISC	4	9	M	W	153	ARMORY
00347	LECT-DISC	5	10	M	W	152	ARMORY
00348	LECT-DISC	6	10	M	W	153	ARMORY
00349	LECT-DISC	7	11	M	W	152	ARMORY
00350	LECT-DISC	8	11	M	W	153	ARMORY
00351	LECT-DISC	9	1	M	W	152	ARMORY
00352	LECT-DISC	10	1	M	W	153	ARMORY
00353	LECT-DISC	11	2	M	W	152	ARMORY
00354	LECT-DISC	12	2	M	W	153	ARMORY
00355	LECT-DISC	13	3	M	W	152	ARMORY
00356	LECT-DISC	14	3	M	W	153	ARMORY
00357	LECT-DISC	15	8	TU	TH	152	ARMORY
00358	LECT-DISC	16	8	TU	TH	153	ARMORY
00359	LECT-DISC	17	9	TU	TH	152	ARMORY
00360	LECT-DISC	18	9	TU	TH	153	ARMORY
00361	LECT-DISC	19	10	TU	TH	152	ARMORY
00362	LECT-DISC	20	10	TU	TH	153	ARMORY
00363	LECT-DISC	21	11	TU	TH	152	ARMORY
00364	LECT-DISC	22	11	TU	TH	153	ARMORY
00365	LECT-DISC	23	1	TU	TH	152	ARMORY
00366	LECT-DISC	24	1	TU	TH	153	ARMORY
00367	LECT-DISC	25	2	TU	TH	152	ARMORY
00368	LECT-DISC	26	2	TU	TH	153	ARMORY
00369	LECT-DISC	27	3	TU	TH	152	ARMORY
00370	LECT-DISC	28	3	TU	TH	153	ARMORY

A S 114 SOPHOMORE THEORY COURSE--WORLD MILITARY SYSTEMS, II.
A CONTINUATION OF A. S. 113.
PREREQUISITE--A. S. 111, 112, AND 113, OR CONSENT OF PROFESSOR OF AIR SCIENCE.
1 HOUR

00371	LECT-DISC	50	8	M	W	151	ARMORY
00372	LECT-DISC	51	9	M	W	148	ARMORY
00373	LECT-DISC	52	9	M	W	151	ARMORY
00374	LECT-DISC	53	10	M	W	148	ARMORY
00375	LECT-DISC	54	10	M	W	151	ARMORY
00376	LECT-DISC	55	11	M	W	148	ARMORY
00377	LECT-DISC	56	11	M	W	151	ARMORY
00378	LECT-DISC	57	1	M	W	148	ARMORY
00379	LECT-DISC	58	1	M	W	151	ARMORY
00380	LECT-DISC	59	3	M	W	148	ARMORY
00381	LECT-DISC	60	3	M	W	151	ARMORY
00382	LECT-DISC	61	8	TU	TH	151	ARMORY
00383	LECT-DISC	62	9	TU	TH	148	ARMORY
00384	LECT-DISC	63	9	TU	TH	151	ARMORY
00385	LECT-DISC	64	10	TU	TH	151	ARMORY
00386	LECT-DISC	65	11	TU	TH	148	ARMORY
00387	LECT-DISC	66	1	TU	TH	151	ARMORY
00388	LECT-DISC	67	2	TU	TH	148	ARMORY
00389	LECT-DISC	68	2	TU	TH	151	ARMORY
00390	LECT-DISC	69	3	TU	TH	151	ARMORY

COURSES FOR ADVANCED UNDERGRADUATES

THE FOLLOWING AIR FORCE SCIENCE COURSES MAY BE TAKEN UPON APPLICATION BY STUDENTS WHO MEET THE REQUIRED STANDARDS. COMMISSIONS IN THE AIR FORCE RESERVE ARE AWARDED THOSE STUDENTS WHO SATISFACTORILY COMPLETE THE ADVANCED COURSES AND WHO COMPLETE THE ACADEMIC REQUIREMENTS FOR A DEGREE SUBJECT TO ALLOCATIONS OF COMMISSIONS TO BE MADE BY AIR FORCE R.O.T.C. STUDENTS ARE PAID A SUBSISTENCE ALLOWANCE, ARE FURNISHED A UNIFORM, AND ARE REQUIRED TO ATTEND A SUMMER ENCAMPMENT BETWEEN THE FIRST AND SECOND YEARS OF THE ADVANCED COURSE.

ADVANCED AIR FORCE R.O.T.C. COURSES REQUIRE FIVE HOURS OF INSTRUCTION A WEEK. THE ADVANCED STUDENT MUST REGISTER FOR ONE THEORY SECTION AND ONE LEADERSHIP LABORATORY SECTION--A.F.S. 100. GENERAL PREREQUISITE--SUCCESSFUL COMPLETION OF THE BASIC AIR FORCE R.O.T.C. COURSE OR EQUIVALENT TRAINING AS APPROVED BY THE PROFESSOR OF AIR SCIENCE, PASS OFFICERS TYPE PHYSICAL EXAMINATION, ACHIEVE SATISFACTORY SCORES ON THE AIR FORCE OFFICERS QUALIFICATION TEST, AND ACCEPTANCE BY A BOARD OF AIR FORCE OFFICERS.

A S 212 JUNIOR THEORY COURSE--GROWTH AND DEVELOPMENT OF AEROSPACE POWER, II.

PREREQUISITE--COMPLETION OF ALL FRESHMAN AND SOPHOMORE THEORY COURSES OR CONSENT OF PROFESSOR OF AIR SCIENCE, APPROVAL OF APPLICATION FOR THE ADVANCED PROGRAM BY THE PROFESSOR OF AIR SCIENCE, SUCCESSFUL PASSING OF THE AIR FORCE OFFICERS QUALIFICATION TEST AND A MILITARY PHYSICAL EXAMINATION.

3 HOURS

*STUDY HOUR TO BE ARRANGED.

00391	LECT-DISC	A	8-10	TU TH	150	ARMORY
00392	LECT-DISC	B	*1	MTUW	150	ARMORY
00393	LECT-DISC	C	*2	MTUW	150	ARMORY
00394	LECT-DISC	D	*9	M W F	150	ARMORY
00395	LECT-DISC	E	*10	M W F	150	ARMORY
00396	LECT-DISC	F	*11	M W F	150	ARMORY
00397	LECT-DISC	G	ARR		150	ARMORY

A S 214 SENIOR THEORY COURSE--THE PROFESSIONAL OFFICER, II.

PREREQUISITE--COMPLETION OF ALL FRESHMAN AND SOPHOMORE THEORY COURSES OR CONSENT OF PROFESSOR OF AIR SCIENCE, APPROVAL OF APPLICATION FOR THE ADVANCED PROGRAM BY THE PROFESSOR OF AIR SCIENCE, SUCCESSFUL PASSING OF THE AIR FORCE OFFICERS QUALIFICATION TEST AND A MILITARY PHYSICAL EXAMINATION.

3 HOURS

00398	LECT-DISC	A	9	M W F	154	ARMORY
00399	LECT-DISC	B	10	M W F	154	ARMORY
00400	LECT-DISC	C	11	M W F	154	ARMORY
00401	LECT-DISC	D	1	M W F	154	ARMORY
00402	LECT-DISC	E	2	M W F	154	ARMORY
00403	LECT-DISC	F	3	M W F	154	ARMORY
00404	LECT-DISC	G	ARR		349	ARMORY

AMERICAN CIVILIZATION

MAJOR--STUDENTS WHO ELECT AMERICAN CIVILIZATION AS A MAJOR MUST COMPLETE FORTY SEMESTER HOURS--WHICH SATISFIES BOTH MAJOR AND MINOR REQUIREMENTS FOR GRADUATION--IN COURSES INDICATED BELOW, AT LEAST TWENTY HOURS BEING IN COURSES NUMBERED 300 OR ABOVE. THEY ARE REQUIRED TO MAINTAIN A 3.0 GENERAL AVERAGE AT ALL TIMES, THAT IS, WHEN THE AVERAGE DROPS BELOW THAT LEVEL THE STUDENT SHALL DROP FROM THIS MAJOR. SPECIFICALLY REQUIRED ARE--

1-ENGL. 255-256, HIST. 151-152, AND EITHER ART 317 OR PHIL. 313--A TOTAL OF FIFTEEN HOURS. EQUIVALENT OR MORE ADVANCED COURSES MAY BE SUBSTITUTED PROVIDED THAT, TAKEN TOGETHER, THEY CONSTITUTE COMPREHENSIVE SURVEYS OF THE THREE FIELDS OF AMERICAN HISTORY, AMERICAN LITERATURE, AND EITHER AMERICAN ART OR AMERICAN PHILOSOPHY. APPROVAL FOR ANY SUCH SUBSTITUTION MUST BE REQUESTED BY A PETITION TO THE DEAN BEARING THE RECOMMENDATION OF THE ADVISER FOR THE CURRICULUM.

2-AT LEAST SIX HOURS OF ADVANCED WORK IN ENGLISH AND AT LEAST SIX HOURS OF ADVANCED WORK IN HISTORY, CHOSEN FROM THE FOLLOWING COURSES ALL OF WHICH ARE IN THE AMERICAN FIELD--ENGL. 144, 285-286, 315-316, 318, 352, 353-354, 375-376, HIST. 335-336, 352, 354, 357-358, 359, 361-362, 363-364, 369-370, 371-372, 373-374. SPEECH 366 MAY BE SUBSTITUTED FOR ENGL. 315-316.

3-AT LEAST SIX HOURS FROM THE FOLLOWING COURSES--ARCH. 215-216, ECON 336, ED. 302, GEOG. 221-222, POL. SCI. 150-151, 351, 381, 397, SPCH. 312, OR COURSES LISTED IN THE PRECEDING PARAGRAPHS, IF NOT COUNTED TOWARD THE REQUIREMENTS THEREUNDER.

4-AT LEAST SIX ADDITIONAL HOURS IN ONE OF THE FOLLOWING DEPARTMENTS-ART, ENGLISH, HISTORY, PHILOSOPHY, OR POLITICAL SCIENCE--CHOSEN FROM COURSES WHICH DEAL WITH NON-AMERICAN ASPECTS OF THE SUBJECT BUT WHICH ARE CLOSELY RELATED TO SPECIFIC COURSES SELECTED UNDER THE PRECEDING REQUIREMENTS, SUCH AS, FOR EXAMPLE, A COURSE DEALING WITH THE SAME PERIOD IN EUROPEAN HISTORY OR IN ENGLISH LITERATURE.

THE COMMITTEE IN CHARGE OF THE CURRICULUM ADVISES EACH STUDENT CONCERNING THESE ADDITIONAL HOURS, ASSUMES RESPONSIBILITY FOR THE STUDENTS REGISTRATION IN THE PROPER COURSES, AND FILES A RECORD OF THE STUDENTS REGISTRATION INDICATING THE SPECIFIC COURSES APPROVED AS SATISFYING THIS REQUIREMENT IN THE OFFICE OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES.

ADVISER--CHAIRMAN OF THE COMMITTEE IN CHARGE--PROFESSOR ROBERT W. JOHANNSEN, 359 ARMORY.

MINORS--THIS CURRICULUM HAS BEEN APPROVED AS A MINOR FOR STUDENTS MAJORING IN GEOGRAPHY, HISTORY, POLITICAL SCIENCE, AND SPEECH. A SPLIT MINOR IS NOT AUTHORIZED. NO COURSE COUNTED TOWARD THE STUDENTS MAJOR MAY BE COUNTED TOWARD THE MINOR. THE MINOR CONSISTS OF AT LEAST TWENTY SEMESTER HOURS, INCLUDING THE REQUIRED COURSES HIST. 151-152 AND ENGL. 255-256, AND IN ADDITION--

1-AT LEAST THREE HOURS FROM COURSES LISTED UNDER -2- OF THE REQUIREMENTS FOR THE MAJOR IN AMERICAN CIVILIZATION, EXCLUDING THOSE NUMBERED UNDER 300 AND THOSE IN THE DEPARTMENT IN WHICH THE STUDENT IS MAJORING.

2-THE REMAINDER, IF ANY, CHOSEN FROM COURSES LISTED UNDER -1- AND -3- OF THE REQUIREMENTS FOR MAJOR IN AMERICAN CIVILIZATION, EXCLUDING THOSE NUMBERED UNDER 300 AND THOSE IN THE DEPARTMENT IN WHICH THE STUDENT IS MAJORING.

ANIMAL SCIENCE

DEPARTMENT OFFICE 328 M H

COURSES FOR UNDERGRADUATES

AN S 100 INTRODUCTION TO ANIMAL SCIENCE.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

00405	LAB	A	3-5	W	135	A S L		ALBERT
00405	LECT	A	3	M F	135	A S L		

AN S 103 MEAT ANIMAL EVALUATION.
PREREQUISITE--AN. S. 100.
3 HOURS

00406	LECT		1	F	STOCK PAVILION			ZIMMERMAN,
00406	LAB		1-3	M W	STOCK PAVILION			BREIDENSTEIN

AN S 110 PLANT AND ANIMAL GENETICS.
SAME AS AGRON., D. S., AND HORT. 110.
PREREQUISITE--BOT. 100, ZOOL. 104.
3 HOURS

00407	LECT		2	M W	W109	T H		ALEXANDER AND
00408	LAB	1	1-3	TU	W 13	T H		STAFF
00409	LAB	2	3-5	TU	W 13	T H		
00410	LAB	3	1-3	TH	W 13	T H		

AN S 120 PRINCIPLES OF ANIMAL NUTRITION.
SAME AS D.S. 120.
PREREQUISITE--CHEM. 132 OR 133.
3 HOURS

00411	LECT-DISC		8	M W F	135	A S L		FORBES

COURSES FOR ADVANCED UNDERGRADUATES

AN S 200 SPECIAL PROBLEMS.
PREREQUISITE--MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEMS COURSE.
3 TO 5 HOURS

00412	LAB		ARR					STAFF

AN S 201 LIVESTOCK MANAGEMENT.
SAME AS D. S. 201.
*CREDIT IS NOT GIVEN TO ANIMAL SCIENCE MAJORS.
*4 HOURS

00413	LECT-DISC		11	MTUWTH	153	A S L	ORMISTON, ALBERT

AN S 204 PRINCIPLES OF MEAT TECHNOLOGY.
PREREQUISITE--CHEM. 132 OR 133.
FIELD TRIP, ESTIMATED COST $30.
4 HOURS

00414	LAB-DISC		1-5	TU TH	152	C H	KAUFFMAN, BREIDENSTEIN

AN S 206 HORSE PRODUCTION.
PREREQUISITE--AN. S. 102 OR 220.
3 HOURS

00415	LAB-DISC		3-5	TU	STOCK PAVILION		ALBERT
			3	TH	STOCK PAVILION		

AN S 211 BREEDING ANIMAL EVALUATION.
PREREQUISITE--AN. S. 103.
3 HOURS

00416	LECT		3	M F	STOCK PAVILION		ZIMMERMAN
00416	LAB		3-5	W	STOCK PAVILION		

AN S 220 FEEDS AND FEEDING.
SAME AS D. S. 220.
PREREQUISITE--AN. S. 120 OR EQUIVALENT.
3 HOURS

00417	LECT		11	M W	135	A S L	HARSHBARGER
00418	LAB-DISC	A	3-5	M	153	A S L	HATFIELD
00419	LAB-DISC	B	3-5	W	153	A S L	
00420	LAB-DISC	C	10-12	F	406	M H	

AN S 230 COMPARATIVE PHYSIOLOGY OF REPRODUCTION, LACTATION AND GROWTH.
SAME AS D. S. 230.
PREREQUISITE--V P P 202.
3 HOURS

00421	LECT		9	TU TH	414	A S L	HAYS, NALBANDOV
00421	LAB		10-12	TU	414	A S L	

AN S 299 SEMINAR.
PREREQUISITE--SENIOR STANDING.
1 HOUR

00422	LECT-DISC		10	TH	320	M H	KAUFFMAN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AN S 301 BEEF PRODUCTION.
PREREQUISITE--AN.S. 102 OR 220.
3 HOURS, OR 3/4 UNIT

00423	LECT		1	M W F	135	A S L	

AN S 302 SHEEP PRODUCTION.
PREREQUISITE--AN.S. 102 OR 220.
*STUDENTS MAY REGISTER FOR 3 HOURS CREDIT WITHOUT LABORATORY OR FOR 4 HOURS CREDIT WITH LABORATORY, OR FOR 3/4 UNIT.
*3 OR 4 HOURS, OR 3/4 UNIT

00424	LECT	A	9	M W F	N107	T H	GARRIGUS
00424	LAB	A	3-5	TU	STOCK PAVILION		

AN S 303 PORK PRODUCTION.
PREREQUISITE--AN.S. 102 OR 220.
3 HOURS, OR 3/4 UNIT

00425	LECT		8	M F	320	M H	HARMON
00426	QUIZ	A	8	W	320	M H	

AN S 305 GENETICS AND ANIMAL IMPROVEMENT.
SAME AS D. S. 305.
PREREQUISITE--AN. S. 110 OR EQUIVALENT.
3 HOURS, OR 3/4 UNIT

00427	LECT		10	M W		153	A S L	DEFRIES,
00427	DISC		10		F	153	A S L	RASMUSEN

AN S 332 LIVESTOCK MARKETING.
SAME AS AG. EC. AND MKTG. 332.
PREREQUISITE--ECON. 102, AG. EC. 230, OR MKTG. 101.
FIELD TRIP, ESTIMATED EXPENSE $10.
3 HOURS, OR 3/4 OR 1 UNIT

00428	LECT		2		F	W109	T H	BROADBENT
00429	DISC	F	2	M W		3165	M H	
00430	DISC	G	3	M W		3165	M H	

COURSES FOR GRADUATES

AN S 400 SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 UNIT

00431	LECT-DISC	4	TH	104	AN GEN	DZIUK

AN S 402 PRINCIPLES OF SHEEP AND WOOL PRODUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT

00432	LECT-DISC	ARR		101	S P	SAMPSON, HATFIELD

AN S 403 PRINCIPLES OF SWINE PRODUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT

00433	LECT-DISC	3	TU TH	320	M H	BECKER

AN S 406 PHYSIOLOGY OF REPRODUCTION.
SAME AS ZOOL. 406.
1 UNIT
*CONFERENCE HOUR TO BE ARRANGED.

00434	LAB-DISC	*1-3	TU TH	135	A S L	NALBANDOV

AN S 407 LABORATORY METHODS IN ANIMAL GENETICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*COMBINED CREDIT IN AN.S. 407 AND 408 MAY NOT EXCEED TWO UNITS.
1/2 TO 1 UNIT

00435	LAB	ARR				NORTON, RASMUSEN

AN S 408 LABORATORY METHODS IN PHYSIOLOGY OF REPRODUCTION.
SAME AS ZOOL. 408.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*COMBINED CREDIT IN AN.S. 407 AND 408 MAY NOT EXCEED TWO UNITS.
1/2 TO 1 UNIT

00436	LAB	ARR				DZIUK, NALBANDOV

AN S 410 RESEARCH METHODS IN ANIMAL SCIENCE.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 1 UNIT.
*1/4 TO 1 UNIT

00437	CONF	ARR				BECKER, BREIDENSTEIN, GARRIGUS, SCOTT

AN S 411 POPULATION GENETICS AND ANIMAL BREEDING.
SAME AS D. S. 411.
PREREQUISITE--AN. S. 110 OR EQUIVALENT.
1 UNIT

00438	LECT-DISC	8	M W F	104	AN GEN	TOUCHBERRY

AN S 412 ADVANCED ENDOCRINOLOGY.
SAME AS D. S., PHYSL., AND ZOOL. 412
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 2 UNITS.
*1/2 UNIT
TOPIC--TO BE ANNOUNCED.

00439	DISC		730-10PM	M	140	BUR HALL	GORSKI, NALBANDOV

AN S 441 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, II.
SAME AS D.S., HORT., V.M.S., AND AGRON. 441.
PREREQUISITE--AN. S. 440 OR EQUIVALENT.
1 UNIT

00440	LECT		9	M W F	W109	T H	JACOB, SEIF
00441	LAB	A	1-3	M	N107	T H	
00442	LAB	B	3-5	M	N107	T H	
00443	LAB	C	1-3	TU	N107	T H	
00444	LAB	D	3-5	TU	N107	T H	

AN S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

00445	CONF		ARR				GRADUATE STAFF

ANIMAL NUTRITION
DIVISION OF DEPARTMENT OF ANIMAL SCIENCE

DIVISION OFFICE 120 A S L

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

AN NU 351 PRINCIPLES OF ANIMAL NUTRITION.
PREREQUISITE--CHEM. 350 AND 355 OR CHEM. 354.
3 HOURS, OR 3/4 UNIT

00446	LECT-DISC		10	M W F	136	V M	KASTELIC

COURSES FOR GRADUATES

AN NU 404 CARBOHYDRATES, LIPIDS, AND ENERGY IN NUTRITION.
PREREQUISITE--AN. NU. 351, CHEM. 350 AND 355.
1/2 UNIT

00447	LECT-DISC		11	M W	121	A S L	FORBES

AN NU 407 VITAMINS IN NUTRITION.
PREREQUISITE--CHEM. 350 AND 355 OR EQUIVALENT.
1/2 UNIT

00448	LECT-DISC		10	TU TH	121	A S L	DRAPER, JOHNSON

AN NU 496 THE USE OF CARBON-14 IN LABELING TECHNIQUES.
SAME AS CHEM. 496.
PREREQUISITE--CHEM. 336, 337, AND 338, OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT
*LABORATORY LIMITED TO 8 STUDENTS.

00449	LECT		11	TU TH	217	N L	NYSTROM, CONRAD
00449	LAB		1-5	TUWTH	163	D H	

ANTHROPOLOGY

DEPARTMENT OFFICE 137 D H

MAJOR--TWENTY HOURS FROM ANY COURSE IN ANTHROPOLOGY, INCLUDING ANTHROP. 102 AND 103. A DOUBLE MAJOR IN ANTHROPOLOGY AND SOCIOLOGY IS NOT PERMITTED.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ECONOMICS, GEOGRAPHY, HISTORY, LINGUISTICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND ZOOLOGY. THE CURRICULUM IN LATIN-AMERICAN STUDIES OR IN RUSSIAN LANGUAGE AND AREA STUDIES IS ALSO ACCEPTED AS A MINOR.
NOTE--INDIVIDUAL INSTRUCTION WILL BE AVAILABLE FOR EDMUND J JAMES SCHOLARS.

COURSES FOR UNDERGRADUATES

ANTH 102 INTRODUCTION TO ANTHROPOLOGY--THE ORIGIN OF MAN AND CULTURE.
*CREDIT IS NOT GIVEN FOR BOTH ANTH. 102 AND SOC. 104.
*4 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

00450	QUIZ	K	1	TU	159	D H	
00451	QUIZ	A	8	TU	313	D H	
00452	QUIZ	B	8	TU	311	D H	
00453	QUIZ	C	8	TH	137	D H	
00454	QUIZ	D	9	TU	137	D H	
00455	QUIZ	E	9	TH	313	D H	
00456	QUIZ	F	9	TH	137	D H	
00462	QUIZ	*&G	10	TU	313	D H	
00457	QUIZ	H	10	TH	313	D H	
00458	QUIZ	I	11	TU	313	D H	
00459	QUIZ	J	11	TH	313	D H	
00460	QUIZ	K	1	TU			
00461	QUIZ	L	2	TU	159	D H	

ANTH 103 INTRODUCTION TO CULTURAL ANTHROPOLOGY.
*CREDIT IS NOT GIVEN FOR BOTH ANTH. 103 AND SOC. 104.
*4 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

00463	LECT		11	M W F	213	G H	BRUNER
00464	QUIZ	A	8	TU	137	D H	
00465	QUIZ	B	8	TH	313	D H	
00466	QUIZ	C	8	TH	311	D H	
00467	QUIZ	D	9	TU	313	D H	
00468	QUIZ	E	10	TU	311	D H	
00469	QUIZ	F	10	TH	311	D H	
00473	QUIZ	*&G	11	TU	311	D H	
00470	QUIZ	H	11	TH	311	D H	
00471	QUIZ	I	1	TU	311	D H	
00472	QUIZ	J	2	TU	311	D H	

ANTH 160 PEOPLES OF THE WORLD--INTRODUCTION TO ETHNOLOGY.
PREREQUISITE--ANTH. 102 OR 103, SOPHOMORE STANDING.
3 HOURS

00474	LECT-DISC	A	2	M W F	313	D H	JACOBS

COURSES FOR ADVANCED UNDERGRADUATES

ANTH 270 NORTH AMERICAN INDIANS.
PREREQUISITE--THREE HOURS OF ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS

00475	LECT-DISC	A	3	M W F	313	D H	ROHN

ANTH 291 HONORS COURSE.
PREREQUISITE--SENIOR STANDING AND 4.0 AVERAGE.
2 HOURS

00476	CONF	&	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ANTH 310 ADVANCED FIELD METHODS IN LINGUISTICS.
SAME AS LING. 310.
PREREQUISITE--ANTH. 309 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

00477	LECT-DISC		11	M W	137	D H		YEGERLEHNER
00478	LAB	A	10-12	TU	137	D H		
00479	LAB	B	10-12	TH	137	D H		

ANTH 352 PRECOLUMBIAN CIVILIZATIONS OF MESOAMERICA.
PREREQUISITE--ANTH. 102 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

00480	LECT-DISC	A	10	M W F	137	D H		LATHRAP

ANTH 353 SOUTHWESTERN ARCHAEOLOGY.
PREREQUISITE--ANTH. 102 AND 103, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

00481	LECT-DISC	A	1	M W F	137	D H		MCGREGOR

ANTH 356 PHYSICAL ANTHROPOLOGY.
PREREQUISITE--ANTH. 102 AND 103, OR A COURSE IN ANATOMY OR COMPARATIVE ANATOMY, PHYSIOLOGY, OR A COURSE IN INTRODUCTORY ZOOLOGY WITH CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

00482	LECT-DISC	A	3	M W F	113	D H		GILES

ANTH 363 RELIGION IN PRIMITIVE SOCIETY.
PREREQUISITE--ANTH. 102 AND 103, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

00483	LECT-DISC	A	8	M W F	137	D H		

ANTH 368 PEOPLES AND CULTURES OF INDIA.
PREREQUISITE--ANTH. 102 AND 103 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

00484	LECT-DISC	A	4	M W F	137	D H		LEHMAN

ANTH 370 LANGUAGE, CULTURE, AND SOCIETY.
SAME AS COMM. AND LING. 370.
3 HOURS, OR 1/2 OR 1 UNIT

00485	LECT-DISC	A	1	M W F	113	D H		CASAGRANDE

ANTH 371 CULTURE AND PERSONALITY.
PREREQUISITE--AN INTRODUCTORY COURSE IN ANTHROPOLOGY, SOCIOLOGY OR PSYCHOLOGY, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

00486	LECT-DISC	A	2	M W F	152	D H		BRUNER

ANTH 372 THE ANTHROPOLOGICAL STUDY OF ART.
PREREQUISITE--THREE HOURS OF ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

00487	LECT-DISC	A	9	M W F	137	D H		LATHRAP

ANTH 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS GEOG., H. ED., PHYSL., PSYCH., SOC., AND V.M.S. 374.
PREREQUISITE--ANTH., H. ED., GEOG., PHYSL., SOC., ZOOL., OR V.M.S. 369.
4 HOURS OR 1 UNIT

00488	LECT-DISC	A	11	M WTHF	242	BEV HALL		JACOBS AND OTHERS

COURSES FOR GRADUATES

ANTH 450 SEMINAR IN ANTHROPOLOGY.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

00489	CONF	A	ARR					STAFF

ANTH 451 SOCIAL STRUCTURE.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00490 CONF A ARR JACOBS

ANTH 462 CULTURAL METHOD AND CONTEMPORARY NATIVE POPULATIONS.
PREREQUISITE--ANTH. 461 OR CONSENT OF INSTRUCTOR.
1 UNIT
00491 LECT-DISC A 1-3 TH 137 D H STEWARD

ANTH 489 READINGS IN ANTHROPOLOGY.
PREREQUISITE--ONE SEMESTER OF GRADUATE WORK IN ANTHROPOLOGY--CONSENT OF ADVISER.
1/2 OR 1 UNIT
00492 CONF A ARR STAFF

ANTH 490 INDIVIDUAL TOPICS IN ANTHROPOLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
00493 CONF A ARR STAFF

ANTH 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION A IS FOR MASTERS THESIS AND SECTION B IS FOR DOCTORS THESIS
00494 CONF *A ARR STAFF
00495 CONF *B ARR STAFF

ARABIC

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

COURSES FOR ADVANCED UNDERGRADUATES

ARAB 202 ELEMENTARY ARABIC, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
PREREQUISITE--ARAB. 201.
3 HOURS
00496 LECT-DISC 10 M W F 154 ADMIN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ARAB 304 INTERMEDIATE ARABIC, II.
PREREQUISITE--ARAB. 303 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT
00497 LECT-DISC ARR

ARCHITECTURE

DEPARTMENT OFFICE 106 ARCH

IN THE CURRICULUM IN ARCHITECTURE, NORMAL COURSE PROGRESS IN SEQUENCE IS IMPERATIVE. STUDENTS FAILING TO COMPLETE ANY REQUIRED COURSE MORE THAN ONE SEMESTER LATER THAN THE TIME DESIGNATED IN THE CURRICULUM, ARE PROHIBITED FROM PROGRESSIVE REGISTRATION IN ARCHITECTURAL COURSES UNTIL THE DEFICIENCY IS CORRECTED. APPLICABLE TO STUDENTS ENTERING IN SEPTEMBER, 1958.

ARCH 101 INTRODUCTION TO ARCHITECTURE.
PREREQUISITE--CREDIT OR REGISTRATION IN G.E. 107.
3 HOURS
*LECTURE IS FOR FIRST 7 WEEKS OF SEMESTER ONLY. ALL STUDENTS ENROLLED IN ARCH. 101 MUST ATTEND.
LAB SECTIONS A1 AND B1 MEET IN AREA A.
LAB SECTIONS A2 AND B2 MEET IN AREA B.
LAB SECTION A3 MEETS IN AREA C.
LAB SECTION A4 MEETS IN AREA D.
LAB SECTION A5 MEETS IN AREA E.

00498	LECT		*1	TU	120	ARCH		STAFF
00498	LECT-DISC		1	TH	120	ARCH		STAFF
00499	LAB	A1	9-12	M W	206	F A B		STAFF
		A1	10-12	F	206	F A B		
00500	LAB	A2	9-12	M W	206	F A B		STAFF
		A2	10-12	F	206	F A B		
00501	LAB	A3	9-12	M W	206	F A B		STAFF
		A3	10-12	F	206	F A B		
00502	LAB	A4	9-12	M W	206	F A B		STAFF
		A4	10-12	F	206	F A B		
00503	LAB	A5	9-12	M W	206	F A B		STAFF
		A5	10-12	F	206	F A B		
00504	LAB	B1	9-12	TU TH	206	F A B		STAFF
		B1	10-12	S	206	F A B		
00505	LAB	B2	9-12	TU TH	206	F A B		STAFF
		B2	10-12	S	206	F A B		

ARCH 113 HISTORY OF ANCIENT ARCHITECTURE.
PREREQUISITE--ARCH. 131 OR SOPHOMORE STANDING.
2 HOURS

00506	LECT		3	TU TH	120	ARCH		PUNDT

ARCH 131 ARCHITECTURAL DESIGN.
PREREQUISITE--SOPHOMORE STANDING, ARCH. 101, CREDIT OR REGISTRATION IN G.E. 108, REGISTRATION IN ARCH. 141.
3 HOURS

00507	LECT-DISC		2	M	62	K M		STAFF
00508	LAB	B1	8-11	TU TH	219	F A B		STAFF
		B1	9-11	S	219	F A B		
00509	LAB	C1	2-5	W F	219	F A B		STAFF
		C1	3-5	M	219	F A B		
00510	LAB	C2	2-5	W F	229	F A B		STAFF
		C2	3-5	M	229	F A B		

ARCH 132 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 131.
3 HOURS
LAB SECTIONS B1 AND C1 MEET IN AREA E.
LAB SECTIONS B2 AND C2 MEET IN AREA D.
LAB SECTIONS B3 AND C3 MEET IN AREA C.

00511	LECT-DISC		2	W	62	K M		STAFF
00512	LAB	B1	9-12	TU TH	206	F A B		STAFF
		B1	10-12	S	206	F A B		
00513	LAB	B2	9-12	TU TH	206	F A B		STAFF
		B2	10-12	S	206	F A B		
00514	LAB	B3	9-12	TU TH	206	F A B		STAFF
		B3	10-12	S	206	F A B		
00515	LAB	C1	2-5	M F	206	F A B		STAFF
		C1	3-5	W	206	F A B		
00516	LAB	C2	2-5	M F	206	F A B		STAFF
		C2	3-5	W	206	F A B		
00517	LAB	C3	2-5	M F	206	F A B		STAFF
		C3	3-5	W	206	F A B		

ARCH 141 MATERIALS AND METHODS OF CONSTRUCTION, I.
PREREQUISITE--REGISTRATION IN ARCH. 131.
2 HOURS

00518	LECT		4	TU TH	120	ARCH		HARTLEY

ARCH 142 MATERIALS AND METHODS OF CONSTRUCTION, II.
PREREQUISITE--ARCH. 141.
2 HOURS

00519	LECT		2	TU TH	120	ARCH		HARTLEY

ARCH 214 HISTORY OF MEDIEVAL ARCHITECTURE.
PREREQUISITE--ARCH. 113 OR CONSENT OF INSTRUCTOR.
3 HOURS

00520	LECT		11	TU TH S	120	ARCH	LAING

ARCH 215 HISTORY OF RENAISSANCE AND BAROQUE ARCHITECTURE.
PREREQUISITE--ARCH. 214 OR CONSENT OF INSTRUCTOR.
3 HOURS

00521	LECT		4	M W F	120	ARCH	CONNALLY

ARCH 216 MODERN ARCHITECTURE.
PREREQUISITE--ARCH. 215 OR CONSENT OF INSTRUCTOR.
3 HOURS

00522	LECT		10	M W F	120	ARCH	PUNOT

ARCH 233 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 132, CREDIT OR REGISTRATION IN T.A.M. 150 OR 171, REGISTRATION IN ARCH 241.
3 HOURS

00523	LAB	A	8-11	M W F	300	ARCH	STAFF
00524	LAB	B	8-11	TU TH S	300	ARCH	STAFF

ARCH 234 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 233.
3 HOURS

00525	LAB	A	9-12	M W F	310	ARCH	STAFF
00526	LAB	B	9-12	TU TH S	310	ARCH	STAFF

ARCH 235 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 234. REGISTRATION IN ARCH. 265.
5 HOURS

00527	LAB		1-4	MTUWTHF	310	ARCH	STAFF

ARCH 236 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 235 AND 265.
5 HOURS

00528	LAB		1-4	MTUWTHF	300	ARCH	STAFF
00529	LAB		1-4	MTUWTHF	410	ARCH	
00530	LAB		1-4	MTUWTHF	410A	ARCH	
00531	LAB		1-4	MTUWTHF	408	ARCH	

ARCH 241 MATERIALS AND METHODS OF CONSTRUCTION, III.
PREREQUISITE--ARCH. 142. REGISTRATION IN ARCH. 233.
2 HOURS

00532	LECT		4	TU TH	66	LIB	STAFF

ARCH 242 MATERIALS AND METHODS OF CONSTRUCTION, IV.
PREREQUISITE--ARCH. 241.
2 HOURS

00533	LECT		8	TU TH	120	ARCH	OCONNELL

ARCH 245 STRUCTURAL ELEMENTS.
PREREQUISITE--PHYCS. 101, T.A.M. 172 OR 221.
3 HOURS

00534	LECT-DISC		4	TU TH	114	D K H	HAIDER
00535	LAB	A1	9-12	M W	100	ARCH	HAIDER
00536	LAB	C1	1-4	M W	100	ARCH	HAIDER
00537	LAB	C2	1-4	M W	100	ARCH	

ARCH 246 THEORY OF STRUCTURAL DESIGN.
PREREQUISITE--ARCH. 245.
3 HOURS

00538	LECT-DISC		8	M W F	120	ARCH	TOTH
00538	LAB		8-11	TU TH	100	ARCH	TOTH

ARCH 247 STRUCTURAL PLANNING.
PREREQUISITE--ARCH. 257.
3 HOURS

00539	LECT-DISC	A	11	M W F	302	ARCH	BRIGHTHILL
00540	LECT-DISC	B	4	M W F	301	ARCH	BRIGHTHILL

ARCH 256 BUILDING SANITATION.
PREREQUISITE--JUNIOR STANDING IN ARCHITECTURE.
2 HOURS

00541	LECT		4	M W	66	LIB	OCONNELL

ARCH 257 REINFORCED CONCRETE THEORY.
PREREQUISITE--ARCH. 246.
3 HOURS

00542	LECT-DISC	A	8	M W F	302	ARCH	HARNISH
00543	LECT-DISC	B	10	M W F	302	ARCH	HARNISH

ARCH 265 THEORY OF ARCHITECTURE.
PREREQUISITE--ARCH. 234. REGISTRATION IN ARCH. 235.
2 HOURS

00544	LECT		4	TU TH	302	ARCH	LOOKER

ARCH 283 ARCHITECTURAL PRACTICE.
PREREQUISITE--SENIOR STANDING IN ARCHITECTURE.
2 HOURS

00545	LECT		9	M W	120	ARCH	CLAYTON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ARCH 337 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 236, SENIOR STANDING IN ARCHITECTURE.
7 HOURS, OR 2 UNITS

00546	LAB		1-5	MTUWTHF	210	ARCH	STAFF

ARCH 338 ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 337.
7 HOURS, OR 2 UNITS

00547	LAB		1-5	MTUWTHF	200	ARCH	STAFF

ARCH 339 URBAN HOUSING.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

00548	LECT-DISC		10-12	M	403	ARCH	JONES

ARCH 344 CONSTRUCTION DOCUMENTS.
PREREQUISITE--ARCH. 337 OR 347.
2 HOURS, NO GRADUATE CREDIT.

00549	LAB	B1	9-12	TU TH	410	ARCH	STAFF
00550	LAB	B2	9-12	TU TH	410A	ARCH	
00551	LAB	B3	9-12	TU TH	408	ARCH	

ARCH 347 THEORY OF STRUCTURES.
PREREQUISITE--CREDIT OR REGISTRATION IN ARCH. 247 AND T.A.M. 211, ARCH. 257.
5 HOURS, OR 1 1/2 UNITS

00552	LECT-DISC		8	MTUWTHF	301	ARCH	HORNBEAK
00552	LAB		9-11	M W F	100	ARCH	HORNBEAK

ARCH 348 ADVANCED STRUCTURES.
PREREQUISITE--ARCH. 347, CREDIT OR REGISTRATION IN ARCH. 358.
5 HOURS, OR 1 1/2 UNITS

00553	LECT-DISC		1-3	M W F	301	ARCH	COY
00553	LAB		3-5	M F	100	ARCH	COY
			3	W	100	ARCH	

ARCH 358 REINFORCED CONCRETE DESIGN.
PREREQUISITE--ARCH. 247, CREDIT OR REGISTRATION IN ARCH. 348.
3 HOURS, OR 1 UNIT

00554	LECT-DISC		1-3	TU TH	301	ARCH	TANG
00554	LAB		3	TU TH	100	ARCH	TANG

ARCH 417 DEVELOPMENT OF CONTEMPORARY ARCHITECTURAL THOUGHT.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT

00555	LECT-DISC	4-6	TU	403D ARCH	LAIN

ARCH 432 SEMINAR IN ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 431 OR CONSENT OF INSTRUCTOR.
1/2 UNIT

00556	LECT-DISC	4-6	W	403D ARCH	WILLIAMS

ARCH 435 ADVANCED ARCHITECTURAL DESIGN.
PREREQUISITE--THE DEGREE IN ARCHITECTURE--GENERAL OPTION--OFFERED BY THE UNIVERSITY OF ILLINOIS, OR THE EQUIVALENT.
2 UNITS

00557	LAB	1-5	MTUWTHF	403 ARCH	WILLIAMS
		1-5	MTUWTHF	403A ARCH	

ARCH 452 ADVANCED THEORY OF STRUCTURES.
PREREQUISITE--C E 461 OR CONSENT OF INSTRUCTOR.
1 UNIT

00558	LECT-DISC	8-10	M W	4E ARCH	TANG

ARCH 454 ADVANCED STRUCTURAL DESIGN IN REINFORCED CONCRETE.
PREREQUISITE--ARCH. 358 OR CONSENT OF INSTRUCTOR.
1 UNIT

00559	LECT-DISC	10-12	TU TH	4E ARCH	TANG

ARCH 481 ADVANCED ARCHITECTURAL CONSTRUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR. MAY BE TAKEN CONCURRENTLY WITH ARCH. 491.
1/2 UNIT

00560	LECT-DISC	10-12	F	403D ARCH	CLAYTON

ARCH 491 SPECIAL PROBLEMS IN ARCHITECTURAL CONSTRUCTION.
PREREQUISITE--CREDIT OR REGISTRATION IN ARCH. 481.
1/2 TO 2 UNITS

00561	CONF	ARR			CLAYTON

ARCH 493 SPECIAL PROBLEMS IN STRUCTURAL THEORY AND DESIGN.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
*SECTION PS--PRESTRESS, *SECTION PD--PLASTIC DESIGN
*SECTION L--ARCHITECTURAL RESEARCH LABORATORY

00562	LECT-DISC	*PS	10-12	M W	4E ARCH	TANG
00563	LECT-DISC	*PD	1-3	TU TH	4E ARCH	HORNBEAK
00564	LAB	*L	1-3	M W F	4E ARCH	TANG

ARCH 494 SPECIAL PROBLEMS IN ARCHITECTURAL DESIGN.
PREREQUISITE--ARCH. 435.
1/2 TO 2 UNITS

00565	LAB	1-5	MTUWTHF	403 ARCH	WILLIAMS

ARCH 496 ARCHITECTURAL HISTORY.
PREREQUISITE--ARCH. 417 OR CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS

00566	CONF	ARR			CONNALLY

DEPARTMENT OFFICE 143 F A B

COURSES IN ART APPRECIATION AND THE HISTORY OF ART

COURSES FOR UNDERGRADUATES

ART 111 INTRODUCTION TO ANCIENT AND MEDIEVAL ART.
3 HOURS
00567 LECT A 1 M W F 62 K M STAFF

ART 112 INTRODUCTION TO RENAISSANCE AND MODERN ART.
PREREQUISITE--ART 111 OR CONSENT OF INSTRUCTOR FOR ART STUDENTS.
3 HOURS
00568 LECT A [illegible] M W F 114 D K H RAE
00569 LECT B [illegible] M W F 120 ARCH RAE

ART 115 ART APPRECIATION.
PRIMARILY FOR NON-ART STUDENTS.
PREREQUISITE--SOPHOMORE STANDING.
3 HOURS
00570 LECT A 3 M W F 120 ARCH ROOS

ART 116 MASTERPIECES OF ART.
2 HOURS
00571 LECT A 2 TU TH 66 LIB RAE AND OTHERS

COURSES FOR ADVANCED UNDERGRADUATES

ART 211 THE ART OF INDUSTRIALIZED SOCIETY.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
00572 LECT A 1 TU TH 62 K M SHIPLEY

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ART 314 LATIN-AMERICAN ART.
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
00573 LECT A 4 M W F 62 K M RAE

ART 320 NORTHERN EUROPEAN ART OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES.
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
00574 LECT A [illegible] M W F 66 LIB PINNELL

ART 322 TWENTIETH CENTURY ART--1925 TO DATE.
PREREQUISITE--ONE YEAR IN THE HISTORY OF ART OR CONSENT OF THE INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
00575 LECT A [illegible] M W 62 K M FRANCISCONO
A [illegible] W 62 K M FRANCISCONO

ART 324 AMERICAN ART, 1640 TO 1900.
PREREQUISITE--ONE YEAR OF HISTORY OF ART OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
00576 LECT A 1 M W F 120 ARCH ROOS

STUDIO COURSES PRIMARILY FOR NON-ART STUDENTS

ART 101 WATER COLOR, I.
PREREQUISITE--FOR ART STUDENTS, ART 114 AND 120. FOR OTHERS, CONSENT OF INSTRUCTOR.
2 HOURS

00577	LAB	A	2-5	M	F	206	F A B	STAFF

ART 102 WATER COLOR, II.
PREREQUISITE--ART 101.
2 HOURS

00578	LAB	A	2-5	M	F	206	F A B	STAFF

ART 107 ELEMENTARY DRAWING.
FOR STUDENTS NOT MAJORING IN ART.
*STUDENTS MAY ACCUMULATE FOUR HOURS.
*2 HOURS

00579	LAB	A	9-12	TU TH		338	F A B	STAFF

ART 123 FUNDAMENTALS OF DRAFTING AND DRAWING.
PRIMARILY FOR STUDENTS IN OCCUPATIONAL THERAPY AND HOME ECONOMICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS

00580	LAB	A	2-5	M W	F	237	F A B	JOHNSON

ART 185 DESIGN, I.
FOR NON-ART MAJORS.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00581	LAB	A	10-12	M W	F	201	SURV BLDG	GUNTER AND
00582	LAB	B	9-12	TU TH		201	SURV BLDG	STAFF
00583	LAB	C	3-5	M W	F	201	SURV BLDG	

ART 186 DESIGN, II.
FOR NON-ART MAJORS.
PREREQUISITE--ART 185.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00584	LAB	A	8-10	M W	F	201	SURV BLDG	GUNTER AND
00585	LAB	B	2-5	TU TH		201	SURV BLDG	STAFF
00586	LAB	C	1-3	M W	F	201	SURV BLDG	

ART 201 WATER COLOR, III.
PREREQUISITE--ART 102.
2 HOURS

00587	LAB	A	2-5	M	F	206	F A B	STAFF

ART 202 WATER COLOR, IV.
PREREQUISITE--ART 201.
2 HOURS

00588	LAB	A	2-5	M	F	206	F A B	STAFF

PROFESSIONAL AND STUDIO COURSES

COURSES FOR UNDERGRADUATES

ART 117 DRAWING, I.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
3 HOURS

00589	LAB	A	2-5	M W	F	370	ARMORY	HULT AND STAFF
00590	LAB	B	9-12	M W	F	372	ARMORY	
00591	LAB	C	2-5	M	F	372	ARMORY	
		C	2-5	W		236	F A B	

ART 118 DRAWING, II.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
PREREQUISITE--ART 117.
2 HOURS

00592	LAB	A	9-12	M F	370	ARMORY		HULT AND STAFF
00593	LAB	B	9-12	TU TH	370	ARMORY		
00594	LAB	C	9-12	W S	370	ARMORY		
00595	LAB	D	1-4	TU TH	370	ARMORY		
00596	LAB	E	9-12	TU TH	372	ARMORY		
00597	LAB	F	1-4	TU TH	372	ARMORY		
00598	LAB	G	9-12	S	372	ARMORY		
		G	2-5	W	372	ARMORY		

ART 119 DESIGN, I.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
2 HOURS

00599	LECT	D	4	TU	62	K M		ROY
00600	LAB	A	1-4	TU TH	386	ARMORY		FOSTER AND
00601	LAB	B	9-12	TU TH	384	ARMORY		STAFF
00602	LAB	C	9-12	TU TH	247	ARMORY		

ART 120 DESIGN, II.
OPEN ONLY TO STUDENTS IN COLLEGE OF FINE AND APPLIED ARTS AND IN HOME ECONOMICS OPTION 1.
PREREQUISITE--ART 119.
3 HOURS

00603	LECT	D	4	TH	62	K M		ROY
00604	LAB	A	9-12	M W F	386	ARMORY		FOSTER AND
00605	LAB	B	9-12	M W F	247	ARMORY		STAFF
00606	LAB	C	2-5	M W F	386	ARMORY		
00607	LAB	D	9-12	M W F	384	ARMORY		
00608	LAB	E	9-12	TU TH S	386	ARMORY		
00609	LAB	F	2-5	M W F	247	ARMORY		
00610	LAB	G	2-5	M W F	384	ARMORY		

ART 121 DRAWING THEORY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00611	LAB	A	9-12	M F	235	F A B		WALLACE AND
00612	LAB	B	1-4	TU TH	219	F A B		STAFF
00613	LAB	C	9-12	M F	229	F A B		

ART 122 DRAWING THEORY.
PREREQUISITE--ART 121.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

00614	LAB	A	1-4	TU TH	237	F A B		WALLACE AND
00615	LAB	B	1-4	TU TH	235	F A B		STAFF
00616	LAB	C	1-4	TU TH	229	F A B		
00617	LAB	D	9-12	TU TH	237	F A B		
00618	LAB	E	9-12	TU TH	235	F A B		
00619	LAB	F	9-12	M F	237	F A B		
00620	LAB	G	2-5	M F	235	F A B		

ART 125 LIFE DRAWING, I.
PREREQUISITE--ART 118.
2 HOURS

00621	LAB	A	9-12	M F	236	F A B		STAFF
00622	LAB	B	9-12	W S	236	F A B		
00623	LAB	C	2-5	M F	240	F A B		
00624	LAB	D	9-12	TU TH	336	F A B		
00625	LAB	E	9-12	M F	240	F A B		
00626	LAB	F	2-5	TU TH	236	F A B		
00627	LAB	G	2-5	TU TH	338	F A B		
00628	LAB	H	9-12	TU TH	240	F A B		

ART 125 LIFE DRAWING, II.
PREREQUISITE--ART 125.
2 HOURS

00629	LAB	A	9-12	M F	236	F A B		STAFF
00630	LAB	B	9-12	W S	236	F A B		
00631	LAB	C	2-5	M F	240	F A B		
00632	LAB	D	9-12	TU TH	336	F A B		
00633	LAB	E	9-12	M F	240	F A B		
00634	LAB	F	2-5	TU TH	236	F A B		
00635	LAB	G	2-5	TU TH	338	F A B		
00636	LAB	H	9-12	TU TH	240	F A B		

ART 129 ANATOMY, I.
PREREQUISITE--ART 118.
2 HOURS

00637	LAB	A	9-12	W	336	F A B		BRIGGS
00638	LAB	B	9-12	S	336	F A B		BRIGGS
00639	LAB	C	2-5	W	336	F A B		BRIGGS
00640	LAB	D	2-5	TH	336	F A B		BRIGGS
00641	LAB	E	2-5	F	336	F A B		BRIGGS

ART 130 ANATOMY, II.
PREREQUISITE--ART 129.
2 HOURS

00642	LAB	A	9-12	W	336	F A B		BRIGGS
00643	LAB	B	9-12	S	336	F A B		BRIGGS
00644	LAB	C	2-5	W	336	F A B		BRIGGS
00645	LAB	D	2-5	TH	336	F A B		BRIGGS
00646	LAB	E	2-5	F	336	F A B		BRIGGS

ART 131 ELEMENTARY COMPOSITION.
PREREQUISITE--ART 118, 120.
2 HOURS

00647	LAB	A	9	M F	207	F A B		BRITSKY AND
		A	9-12	M F	209	F A B		STAFF
00648	LAB	B	9	W S	207	F A B		
		B	9-12	W S	209	F A B		
00649	LAB	C	9	TU TH	207	F A B		
		C	9-12	TU TH	209	F A B		
00650	LAB	D	2	M F	207	F A B		
		D	2-5	M F	209	F A B		
00651	LAB	E	2	TU TH	207	F A B		
		E	2-5	TU TH	209	F A B		

ART 132 ELEMENTARY COMPOSITION.
PREREQUISITE--ART 131.
2 HOURS

00652	LAB	A	9-12	M F	209	F A B		BRITSKY AND
00653	LAB	B	9-12	W S	209	F A B		STAFF
00654	LAB	C	9-12	TU TH	209	F A B		
00655	LAB	D	2-5	M F	209	F A B		
00656	LAB	E	2-5	TU TH	209	F A B		

ART 133 DESIGN WORKSHOP.
PRIMARILY FOR STUDENTS IN INDUSTRIAL DESIGN CURRICULUM.
PREREQUISITE--ART 118, 120.
2 HOURS

00657	LAB	A	9-12	M F	32	F A B		ZAGORSKI
00658	LAB	B	2-5	M F	32	F A B		ZAGORSKI

ART 134 DESIGN WORKSHOP.
PRIMARILY FOR STUDENTS IN INDUSTRIAL DESIGN CURRICULUM.
PREREQUISITE--ART 133.
2 HOURS

00659	LAB	A	9-12	M F	32	F A B		ZAGORSKI
00660	LAB	B	2-5	M F	32	F A B		ZAGORSKI

ART 141 STILL LIFE, I.
PREREQUISITE--ART 118, 120.
2 HOURS

00661	LAB	A	9-12	M F	9	F A B		JACKSON AND
00662	LAB	B	9-12	TU TH	9	F A B		STAFF
00663	LAB	C	9-12	W S	9	F A B		
00664	LAB	D	2-5	M F	9	F A B		
00665	LAB	E	2-5	TU TH	9	F A B		
00666	LAB	F	7-10PM	TU TH	9	F A B		

ART 142 STILL LIFE, II.
PREREQUISITE--ART 141.
2 HOURS

00667	LAB	A	9-12	M F	9	F A B		JACKSON AND
00668	LAB	B	9-12	TU TH	9	F A B		STAFF
00669	LAB	C	9-12	W S	9	F A B		
00670	LAB	D	2-5	M F	9	F A B		
00671	LAB	E	2-5	TU TH	9	F A B		
00672	LAB	F	7-10PM	TU TH	9	F A B		

ART 151 SCULPTURE, I.
PREREQUISITE--ART 118, 120, OR ARCH. 234.
2 HOURS

00673	LAB	A	9-12	TU TH	25	F A B		MAJOROWICZ
00674	LAB	B	8-11	M F	25	F A B		AND STAFF
00675	LAB	C	7-10PM	TU TH	25	F A B		
00676	LAB	D	9-12	W S	25	F A B		

ART 152 SCULPTURE, II.
PREREQUISITE--ART 151.
2 HOURS

00677	LAB	A	2-5	M F	25	F A B		MAJOROWICZ
00678	LAB	B	2-5	TU TH	25	F A B		AND STAFF
00679	LAB	C	7-10PM	M F	25	F A B		

ART 181 FREEHAND DRAWING, I.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS.
2 HOURS

00680	LAB	A	8-10	TU TH S	406	C E H		BRADSHAW
00681	LAB	B	10-12	TU TH S	406	C E H		AND STAFF
00682	LAB	C	2-5	TU TH	20A	ARCH		

ART 182 FREEHAND DRAWING, II.
OPEN ONLY TO STUDENTS IN THE COLLEGE OF FINE AND APPLIED ARTS.
PREREQUISITE--ART 181.
2 HOURS

00683	LAB	A	1-3	M W F	407	C E H		BRADSHAW
00684	LAB	B	1-3	M W F	406	C E H		AND STAFF
00685	LAB	C	3-5	M W F	20A	ARCH		
00686	LAB	D	1-3	M W F	20A	ARCH		
00687	LAB	E	2-5	TU TH	406	C E H		
00688	LAB	F	2-5	M F	405	C E H		
00689	LAB	G	3-5	M W F	406	C E H		

ART 183 FREEHAND DRAWING, III.
PREREQUISITE--ART 182. PRIMARILY FOR STUDENTS IN ARCHITECTURE.
2 HOURS

00690	LAB	A	9-12	M F	20A	ARCH		BRADSHAW
00691	LAB	B	8-11	TU TH	405	C E H		AND STAFF

ART 184 FREEHAND DRAWING, IV.
PREREQUISITE--ART 183. PRIMARILY FOR STUDENTS IN ARCHITECTURE.
2 HOURS

00692	LAB	A	9-12	M F	405	C E H		BRADSHAW
00693	LAB	B	8-10	M W F	407	C E H		AND STAFF
00694	LAB	C	10-12	M W F	407	C E H		
00695	LAB	D	9-12	W S	20A	ARCH		
00696	LAB	E	3-5	M W F	407	C E H		

ART 190 RECREATIONAL CRAFTS, I.
PRIMARILY FOR RECREATION MAJORS IN PHYSICAL EDUCATION.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS

00697	LAB	A	8-10	M W F	107	F A B		STAFF
00698	LAB	B	10-12	M W F	107	F A B		
00699	LAB	C	7-10PM	TU TH	107	F A B		

ART 191 RECREATIONAL CRAFTS, II.
PRIMARILY FOR RECREATION MAJORS IN PHYSICAL EDUCATION.
PREREQUISITE--ART 190.
2 HOURS

00700	LAB	A	8-10	M W F	107	F A B		STAFF
00701	LAB	B	10-12	M W F	107	F A B		
00702	LAB	C	7-10PM	TU TH	107	F A B		

ART 192 METALWORK AND JEWELRY, I.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS

00703	LAB	A	9-12	M	F	24	D K H	VON NEUMANN
00704	LAB	B	2-5	M	F	24	D K H	VON NEUMANN

ART 193 METALWORK AND JEWELRY, II.
PREREQUISITE--ART 192.
2 HOURS

00705	LAB	A	9-12	TU TH		24	D K H	VON NEUMANN

ART 194 POTTERY, I.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
*FOR NON-ART STUDENTS ONLY.

00709	LAB	*A	9-12	M	F	152	MET LAB	STAFF
00706	LAB	B	9-12	TU TH		23	D K H	
00707	LAB	C	2-5	TU TH		23	D K H	
00708	LAB	D	2-5	M	F	152	MET LAB	

ART 195 POTTERY, II.
PREREQUISITE--ART 194.
2 HOURS
*FOR NON-ART STUDENTS ONLY.

00713	LAB	*A	9-12	M	F	152	MET LAB	STAFF
00710	LAB	B	9-12	TU TH		23	D K H	
00711	LAB	C	2-5	TU TH		23	D K H	
00712	LAB	D	2-5	M	F	152	MET LAB	

ART 196 LEATHERWORK, I.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS

00714	LAB	A	9-12	TU TH		107	F A B	STAFF

ART 197 LEATHERWORK, II.
PREREQUISITE--ART 196.
2 HOURS

00715	LAB	A	9-12	TU TH		107	F A B	STAFF

COURSES FOR ADVANCED UNDERGRADUATES

ART 203 ART EDUCATION LABORATORY.
PREREQUISITE--ART 132 OR JUNIOR STANDING.
2 HOURS
*FOR NON-ART STUDENTS ONLY.

00716	LAB	*A	1-3	M W	F	106	F A B	STAFF
00717	LAB	*B	3-5	M W	F	106	F A B	
00718	LAB	*C	2-5	TU TH		107	F A B	
00719	LAB	*D	8-10	M W	F	106	F A B	

ART 204 ART EDUCATION LABORATORY.
PREREQUISITE--ART 132 OR JUNIOR STANDING.
2 HOURS

00720	LAB	A	2-5	TU TH		106	F A B	STAFF

ART 206 CREATIVE ART FOR CHILDREN.
PREREQUISITE--JUNIOR STANDING IN ART EDUCATION OR CONSENT OF INSTRUCTOR.
2 HOURS

00721	LECT-DISC	D	4	W		133	F A B	STAFF
00722	LAB	A	8-10		S	106	F A B	STAFF
00723	LAB	B	10-12		S	106	F A B	STAFF

ART 208 ORGANIZATION OF PUBLIC SCHOOL ART PROGRAMS.
PREREQUISITE--JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
3 HOURS

00724	LECT	A	8	M W	F	133	F A B	STAFF

ART 215 BASIC PHOTOGRAPHY, I.
SUPPLIES COST APPROXIMATELY $20.
PREREQUISITE--JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
2 HOURS

00725	LAB	A	9-12	TU TH	335	F A B		SINSABAUGH
00726	LAB	B	2-5	M F	335	F A B		SINSABAUGH

ART 216 BASIC PHOTOGRAPHY, II.
SUPPLIES COST APPROXIMATELY $20.
PREREQUISITE--ART 215.
2 HOURS

00727	LAB	A	2-5	TU TH	335	F A B		SINSABAUGH

ART 225 INTERMEDIATE DRAWING, I.
PREREQUISITE--JUNIOR STANDING IN ART.
2 HOURS

00728	LAB	A	9-12	TU TH	236	F A B		DIETEMANN
00729	LAB	B	2-5	TU TH	240	F A B		AND STAFF
00730	LAB	C	2-5	M F	236	F A B		

ART 226 INTERMEDIATE DRAWING, II.
PREREQUISITE--ART 225.
2 HOURS

00731	LAB	A	9-12	TU TH	236	F A B		DIETEMANN
00732	LAB	B	2-5	TU TH	240	F A B		AND STAFF
00733	LAB	C	2-5	M F	236	F A B		

ART 231 INTERMEDIATE COMPOSITION, I.
PREREQUISITE--ART 132.
3 HOURS

00734	LAB	A	9-12	M W F	324	F A B		STAFF
00735	LAB	B	2-5	M W F	324	F A B		STAFF

ART 232 INTERMEDIATE COMPOSITION, II.
PREREQUISITE--ART 231.
3 HOURS

00736	LAB	A	9-12	M W F	324	F A B		STAFF
00737	LAB	B	2-5	M W F	324	F A B		STAFF

ART 233 ADVANCED COMPOSITION, I.
PREREQUISITE--ART 232.
3 HOURS

00738	LAB	A	9-12	TU TH	308	F A B		DOOLITTLE
		A	2-5	W	308	F A B		AND STAFF
00739	LAB	B	9-12	TU TH	318	F A B		
		B	2-5	W	318	F A B		

ART 234 ADVANCED COMPOSITION, II.
PREREQUISITE--ART 233.
3 HOURS

00740	LAB	A	9-12	TU TH	308	F A B		DOOLITTLE
		A	2-5	W	308	F A B		AND STAFF
00741	LAB	B	9-12	TU TH	318	F A B		
		B	2-5	W	318	F A B		

ART 235 ILLUSTRATION, I.
PREREQUISITE--ART 132.
2 HOURS

00742	LAB	A	2-5	TU TH	206	F A B		DIETEMANN
00743	LAB	B	2-5	M F	107	F A B		BRITSKY

ART 236 ILLUSTRATION, II.
PREREQUISITE--ART 235.
2 HOURS

00744	LAB	A	2-5	TU TH	206	F A B		DIETEMANN
00745	LAB	B	2-5	M F	107	F A B		BRITSKY

ART 243 FIGURE PAINTING, I.
PREREQUISITE--JUNIOR STANDING IN ART
2 HOURS

00746	LAB	A	9-12	TU TH	324	F A B		STAFF
00747	LAB	B	2-5	TU TH	324	F A B		STAFF

ART 244 FIGURE PAINTING, II.
PREREQUISITE--ART 243.
2 HOURS

00748	LAB	A	9-12	TU TH	324	F A B		STAFF
00749	LAB	B	2-5	TU TH	324	F A B		STAFF

ART 245 ADVANCED PAINTING AND DRAWING, I.
PREREQUISITE--ART 226 AND 244.
3 HOURS

00750	LAB	A	9-12	M W F	308	F A B		STAFF
00751	LAB	B	9-12	M W F	318	F A B		STAFF

ART 246 ADVANCED PAINTING AND DRAWING, II.
PREREQUISITE--ART 245.
3 HOURS

00752	LAB	A	9-12	M W F	308	F A B		STAFF
00753	LAB	B	9-12	M W F	318	F A B		STAFF

ART 247 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN PAINTING OR CONSENT OF INSTRUCTOR.
2 HOURS

00754	LECT-DISC	&A	ARR		308	F A B		STAFF
00755	LECT-DISC	&B	ARR		318	F A B		STAFF

ART 248 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING IN PAINTING OR CONSENT OF INSTRUCTOR.
2 HOURS

00756	LECT-DISC	&A	ARR		308	F A B		STAFF
00757	LECT-DISC	&B	ARR		318	F A B		STAFF

ART 251 ADVANCED SCULPTURE, I.
PREREQUISITE--ART 152.
2 HOURS

00758	LAB	A	2-5	M F	25	F A B		MAJOROWICZ
00759	LAB	B	2-5	TU TH	25	F A B		AND STAFF
00760	LAB	C	7-10PM	M F	25	F A B		

ART 252 ADVANCED SCULPTURE, II.
PREREQUISITE--ART 251.
2 HOURS

00761	LAB	A	2-5	M F	25	F A B		MAJOROWICZ
00762	LAB	B	2-5	TU TH	25	F A B		AND STAFF
00763	LAB	C	7-10PM	M F	25	F A B		

ART 253 INTERMEDIATE SCULPTURE, I.
PREREQUISITE--ART 152.
2 HOURS

00764	LAB	A	2-5	M F	25	F A B		MAJOROWICZ
00765	LAB	B	2-5	TU TH	25	F A B		AND STAFF
00766	LAB	C	7-10PM	M F	25	F A B		

ART 254 INTERMEDIATE SCULPTURE, II.
PREREQUISITE--ART 253.
2 HOURS

00767	LAB	A	2-5	M F	25	F A B		MAJOROWICZ
00768	LAB	B	2-5	TU TH	25	F A B		AND STAFF
00769	LAB	C	7-10PM	M F	25	F A B		

ART 255 SCULPTURE MATERIALS AND TECHNIQUES, I.
PREREQUISITE--ART 152.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00770	LAB	*A	2-5	M F	25	F A B		MAJOROWICZ
00771	LAB	*B	2-5	TU TH	25	F A B		AND STAFF
00772	LAB	*C	7-10PM	M F	25	F A B		

ART 256 SCULPTURE MATERIALS AND TECHNIQUES, II.
PREREQUISITE--ART 255.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00773	LAB	*A	2-5	M F	25	F A B		MAJOROWICZ
00774	LAB	*B	2-5	TU TH	25	F A B		AND STAFF
00775	LAB	*C	7-10PM	M F	25	F A B		

ART 257 ADVANCED SCULPTURE, I.
PREREQUISITE--ART 254.
2 HOURS

00776	LAB	A	2-5	M F	25	F A B		MAJOROWICZ
00777	LAB	B	2-5	TU TH	25	F A B		AND STAFF
00778	LAB	C	7-10PM	M F	25	F A B		

ART 258 ADVANCED SCULPTURE, II.
PREREQUISITE--ART 257.
2 HOURS

00779	LAB	A	2-5	M F	25	F A B		MAJOROWICZ
00780	LAB	B	2-5	TU TH	25	F A B		AND STAFF
00781	LAB	C	7-10PM	M F	25	F A B		

ART 259 ADVANCED SCULPTURE MATERIALS AND TECHNIQUES, I.
PREREQUISITE--ART 256.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00782	LAB	*A	2-5	M F	25	F A B		MAJOROWICZ
00783	LAB	*B	2-5	TU TH	25	F A B		AND STAFF
00784	LAB	*C	7-10PM	M F	25	F A B		

ART 260 ADVANCED SCULPTURE MATERIALS AND TECHNIQUES, II.
PREREQUISITE--ART 259.
3 HOURS
*THREE HOURS TO BE ARRANGED.

00785	LAB	*A	2-5	M F	25	F A B		MAJOROWICZ
00786	LAB	*B	2-5	TU TH	25	F A B		AND STAFF
00787	LAB	*C	7-10PM	M F	25	F A B		

ART 261 LAYOUT AND LETTERING, I.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00788	LAB	A	9-12	TU TH S	311	F A B		MOORE AND STAFF
00789	LAB	B	2-5	TU TH	311	F A B		
		B	7-10PM	TH	311	F A B		
00790	LAB	C	2-5	M W F	311	F A B		
00791	LAB	D	9-12	M W F	12	F A B		
00792	LAB	E	2-5	TU TH	311	F A B		
		E	7-10PM	TH	311	F A B		
00793	LAB	F	2-5	M W F	311	F A B		

ART 262 LAYOUT AND LETTERING, II.
PREREQUISITE--ART 261.
3 HOURS

00794	LAB	A	9-12	TU TH S	311	F A B		MOORE AND STAFF
00795	LAB	B	2-5	TU TH	311	F A B		
		B	7-10PM	TH	311	F A B		
00796	LAB	C	2-5	M W F	311	F A B		
00797	LAB	D	9-12	M W F	12	F A B		
00798	LAB	E	2-5	TU TH	311	F A B		
		E	7-10PM	TH	311	F A B		
00799	LAB	F	2-5	M W F	311	F A B		

ART 265 ADVERTISING DESIGN, I.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00800	LAB	A	9-12	M W F	311	F A B		STERKEL AND
00801	LAB	B	2-5	M W F	311	F A B		STAFF

ART 266 ADVERTISING DESIGN, II.
PREREQUISITE--ART 265.
3 HOURS

00802	LAB	A	9-12	M W F	311	F A B		STERKEL AND
00803	LAB	B	2-5	M W F	311	F A B		STAFF

ART 267 ADVANCED ADVERTISING DESIGN, I.
PREREQUISITE--ART 266.
5 HOURS

00804	LAB	A	9-12	MTUWTHF	311	F A B		PERLMAN AND
00805	LAB	B	9-12	MTUWTHF	311	F A B		STAFF

ART 268 ADVANCED ADVERTISING DESIGN, II.
PREREQUISITE--ART 267.
5 HOURS

00806	LAB	A	9-12	MTUWTHF	311	F A B		PERLMAN AND
00807	LAB	B	9-12	MTUWTHF	311	F A B		STAFF

ART 271 MATERIALS AND PROCESSES, I.
PREREQUISITE--ART 134.
3 HOURS

00808	LAB	A	9-12	M W F	20	F A B		PRICE AND STAFF
00809	LAB	B	2-5	M W F	20	F A B		
00810	LAB	C	7-10PM	M W F	20	F A B		

ART 272 MATERIALS AND PROCESSES, II.
PREREQUISITE--ART 271.
3 HOURS

00811	LAB	A	9-12	M W F	20	F A B		PRICE AND STAFF
00812	LAB	B	2-5	M W F	20	F A B		
00813	LAB	C	7-10PM	M W F	20	F A B		

ART 275 INDUSTRIAL DESIGN, I.
PREREQUISITE--ART 134.
FIELD TRIP REQUIRED.
3 HOURS

00814	LAB	A	9-12	M W F	40	F A B		STAFF
00815	LAB	B	2-5	M W F	40	F A B		STAFF

ART 276 INDUSTRIAL DESIGN, II.
PREREQUISITE--ART 275.
FIELD TRIP REQUIRED.
3 HOURS

00816	LAB	A	9-12	M W F	40	F A B		STAFF
00817	LAB	B	2-5	M W F	40	F A B		STAFF

ART 277 ADVANCED INDUSTRIAL DESIGN, I.
PREREQUISITE--ART 276.
5 HOURS

00818	LAB	A	9-12	TU TH S	40	F A B		MCFARLAND
		A	2-5	TU TH	40	F A B		AND STAFF
00819	LAB	B	9-12	TU TH S	12	F A B		
		B	2-5	TU TH	12	F A B		

ART 278 ADVANCED INDUSTRIAL DESIGN, II.
PREREQUISITE--ART 277.
5 HOURS

00820	LAB	A	9-12	TU TH S	40	F A B		MCFARLAND
		A	2-5	TU TH	40	F A B		AND STAFF
00821	LAB	B	9-12	TU TH S	12	F A B		
		B	2-5	TU TH	12	F A B		

ART 281 FREEHAND DRAWING, V.
PREREQUISITE--ART 184.
2 HOURS

00822	LAB	A	8-11	TU TH	20A	ARCH		BRADSHAW
00823	LAB	B	1-4	TU TH	407	C E H		AND STAFF
00824	LAB	C	1-4	TU TH	405	C E H		
00825	LAB	D	9-12	M F	406	C E H		
00826	LAB	E	9-12	TU TH	407	C E H		

ART 282 FREEHAND DRAWING, VI.
PREREQUISITE--ART 281.
2 HOURS

00827	LAB	A	8-11	TU TH	20A	ARCH		BRADSHAW
00828	LAB	B	1-4	TU TH	407	C E H		AND STAFF
00829	LAB	C	1-4	TU TH	405	C E H		
00830	LAB	D	9-12	M F	406	C E H		
00831	LAB	E	9-12	TU TH	407	C E H		

ART 283 PRINTMAKING, I.
PREREQUISITE--JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
2 HOURS

00832	LAB	A	2-5	M F	GRAD	STUDIO		WICKS
00833	LAB	B	9-12	S	GRAD	STUDIO		CHESNEY
		B	7-10PM	TH	GRAD	STUDIO		CHESNEY

ART 284 PRINTMAKING, II.
PREREQUISITE--ART 283.
2 HOURS

00834	LAB	A	2-5	M	F	GRAD STUDIO	WICKS
00835	LAB	B	9-12		S	GRAD STUDIO	CHESNEY
		B	7-10PM		TH	GRAD STUDIO	CHESNEY

ART 285 LITHOGRAPHY, I.
PREREQUISITE--JUNIOR STANDING IN ART OR CONSENT OF INSTRUCTOR.
2 HOURS

00836	LAB	A	2-5	TU	TH	GRAD STUDIO	BODNAR

ART 286 LITHOGRAPHY, II.
PREREQUISITE--ART 285.
2 HOURS

00837	LAB	A	2-5	TU	TH	GRAD STUDIO	BODNAR

ART 290 CERAMIC RAW MATERIALS.
PREREQUISITE--D. G. S. 141, 142, JUNIOR STANDING IN CURRICULUM IN CRAFTS--CERAMIC EMPHASIS.
3 HOURS

00838	LAB	A	9-12	M	W	F	152	MET LAB	STAFF

ART 291 GLAZE CALCULATION.
PREREQUISITE--D. G. S. 141, 142, ART 290, JUNIOR STANDING IN CURRICULUM IN CRAFTS--CERAMIC EMPHASIS.
3 HOURS

00839	LAB	A	9-12	M	W	F	152	MET LAB	STAFF

ART 292 INTRODUCTION TO METAL DESIGN IN JEWELRY.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00840	LAB	A	9-12	M	W	F	24	D K H	VON NEUMANN

ART 293 DEVELOPMENT OF METAL DESIGN IN JEWELRY.
PREREQUISITE--ART 292.
3 HOURS

00841	LAB	A	9-12	M	W	F	24	D K H	VON NEUMANN

ART 294 CERAMIC DESIGN, I.
PREREQUISITE--JUNIOR STANDING IN ART.
3 HOURS

00842	LAB	A	9-12	M	W	F	152	MET LAB	STAFF

ART 295 CERAMIC DESIGN, II.
PREREQUISITE--ART 294.
3 HOURS

00843	LAB	A	9-12	M	W	F	152	MET LAB	STAFF

ART 296 DECORATIVE METAL TECHNIQUES.
PREREQUISITE--ART 293.
5 HOURS

00844	LAB	A	9-12	MTUWTHF			24	D K H	VON NEUMANN

ART 297 CONSTRUCTION OF HOLLOW AND FLATWARE IN SILVERSMITHING.
PREREQUISITE--ART 296.
5 HOURS

00845	LAB	A	9-12	MTUWTHF			24	D K H	VON NEUMANN

ART 298 CERAMIC DESIGN, III.
PREREQUISITE--ART 295.
5 HOURS

00846	LAB	A	9-12	MTUWTHF			152	MET LAB	STAFF

ART 299 CERAMIC DESIGN, IV.
PREREQUISITE--ART 298.
5 HOURS

00847	LAB	A	9-12	MTUWTHF			152	MET LAB	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ART 332 DRAWING.
PREREQUISITE--ART 126 OR EQUIVALENT. FOR GRADUATE STUDENTS, CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE.
2 HOURS, OR 1/2 TO 1 UNIT
00848 LAB A ARR 122 F A B BRIGGS

ART 333 PAINTING.
PREREQUISITE--ART 142 OR EQUIVALENT, FOR GRADUATE STUDENTS, CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE. NOT OPEN TO CANDIDATES FOR M. F. A. IN PAINTING.
*COURSE MAY BE REPEATED FOR A TOTAL OF TWO UNITS.
*2 TO 4 HOURS, OR 1/2 TO 1 UNIT
00849 LAB A ARR 140 F A B DOOLITTLE

ART 341 PAINTING MATERIALS AND TECHNIQUES.
PREREQUISITE--ART 142 OR GRADUATE STANDING IN ART.
2 HOURS, OR 1/2 UNIT
00850 LAB A 7-10PM TUW 339 F A B KENNEDY

ART 351 ADVANCED SCULPTURE TECHNIQUES.
PREREQUISITE--ART 252 OR EQUIVALENT.
2 HOURS, OR 1/2 TO 1 UNIT
00851 LAB A ARR 25 F A B MAJOROWICZ

ART 383 PRINT MEDIA.
PREREQUISITE--ART 284 OR EQUIVALENT. FOR GRADUATE STUDENTS, CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE. NOT OPEN TO CANDIDATES FOR M.F.A. IN PAINTING.
2 HOURS, OR 1/2 TO 1 UNIT
00852 LAB A ARR GRAD STUDIO CHESNEY, WICKS

ART 392 SILVERSMITHING, I.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 1 UNIT
00853 LAB A ARR 24 D K H VON NEUMANN

ART 393 SILVERSMITHING, II.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 1 UNIT
00854 LAB A ARR 24 D K H VON NEUMANN

ART 394 CERAMIC DESIGN.
PREREQUISITE--ART 295 OR CONSENT OF INSTRUCTOR.
2 TO 4 HOURS, OR 1/2 TO 2 UNITS
00855 LAB A ARR 152 MET LAB STAFF

COURSES FOR GRADUATES

ART 450 STUDIES IN MODERN ART.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00856 LECT-DISC A ARR FRANCISCONO

ART 451 STUDIES IN AMERICAN ART.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
00857 LECT-DISC A ARR ROOS

ART 467 ADVERTISING DESIGN LABORATORY.
PREREQUISITE--BACHELOR OF FINE ARTS DEGREE IN ADVERTISING DESIGN OR EQUIVALENT.
1 TO 2 UNITS
00858 LAB ARR PERLMAN

ART 477 INDUSTRIAL DESIGN LABORATORY.
PREREQUISITE--BACHELOR OF FINE ARTS DEGREE IN INDUSTRIAL DESIGN OR THE EQUIVALENT.
1 TO 2 UNITS
00859 LAB ARR SHIPLEY

ART 491 SPECIAL PROBLEMS.
1/2 TO 2 UNITS

00860	LAB	A	ARR		GRAD STUDIO	STAFF
00861	LAB	B	ARR		GRAD STUDIO	STAFF

ART 493 SEMINAR.
1 UNIT

00862	LECT-DISC	A	7-10PM	M	171 K M	ROOS AND PINNELL

ART 494 STUDIES IN ART HISTORY AND CRITICISM.
PREREQUISITE--GRADUATE STANDING IN ART--GRADUATE STANDING IN OTHER DEPARTMENTS WITH CONSENT OF DEPARTMENTAL GRADUATE COMMITTEE.
1 UNIT

00863	LECT-DISC	A	4-6	TH	133 F A B	RAE

ART 495 PAINTING LABORATORY.
1/2 TO 2 UNITS

00864	LAB	ARR	GRAD STUDIO	BETTS, LEVEE AND SPRAGUE

ART 497 PRINT WORKSHOP.
1/2 TO 2 UNITS

00865	LAB	ARR	GRAD STUDIO	CHESNEY

ASIAN STUDIES

DEPARTMENT OFFICE 109 L I R

STUDENTS OF THE UNIVERSITY WHO SEEK KNOWLEDGE OF EAST, SOUTHEAST, SOUTH, AND MIDDLE EAST ASIAN AFFAIRS AND CULTURES ARE INVITED TO CONSULT, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, WITH THE CHAIRMAN AND MEMBERS OF THE ASIAN STUDIES PROGRAM COMMITTEE IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. THE CHAIRMAN IS PROFESSOR SOLOMON B. LEVINE, INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS, ROOM 109.

BELOW ARE LISTED COURSES IN THE ASIAN STUDIES AREAS WHICH ARE BEING OFFERED THIS TERM. FOR FULL COURSE DESCRIPTIONS, CONSULT THE ENTRIES OF THE APPROPRIATE DEPARTMENTS.

AGR. 190	HINDI 202
AG. EC. 401	HINDI 304
ANTH. 368	HIST. 210
ARAB. 202	HIST. 214
ARAB. 304	HIST. 308
BURM. 202	HIST. 396
BURM. 304	INDON. 202
CHIN. 202	INDON. 304
CHIN. 304	JAPAN. 202
ECON. 210	JAPAN. 304
ECON. 228	JOURN. 490
ECON. 411	MUSIC 317
ECON. 429	POL. S. 349
GEOG. 495	SOC. S 202

ASTRONOMY

DEPARTMENT OFFICE 108A OBSERV

MAJOR--TWENTY HOURS IN ASTRONOMY.

MINOR--TWENTY HOURS WHICH MUST INCLUDE PHYSICS 106, 107, AND 108. THE REMAINING EIGHT HOURS MAY BE TAKEN IN PHYSICS OR IN ONE OF THE FOLLOWING SUBJECTS--CHEMISTRY, GEOLOGY, MATHEMATICS, PHILOSOPHY. IF TWO SUBJECTS ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH.

INDIVIDUAL INSTRUCTION IS PROVIDED FOR SUPERIOR UNDERGRADUATE STUDENTS AT HOURS TO BE ARRANGED.

COURSES FOR UNDERGRADUATES

ASTR 101 DESCRIPTIVE ASTRONOMY.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 210.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00866	LECT		1	M W F	223	G H
00867	DISC	A	10	TH	104	OBSERV
00868	DISC	B	11	TH	104	OBSERV
00869	DISC	C	1	TH	104	OBSERV
00870	DISC	D	2	TH	104	OBSERV

ASTR 102 DESCRIPTIVE ASTRONOMY.
PREREQUISITE--ASTR. 101.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 210.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

00871	LECT		2	M W F	223	G H
00872	DISC	A	10	TU	104	OBSERV
00873	DISC	B	11	TU	104	OBSERV
00874	DISC	C	1	TU	104	OBSERV

COURSES FOR ADVANCED UNDERGRADUATES

ASTR 210 GENERAL ASTRONOMY.
PREREQUISITE--ONE YEAR OF COLLEGE PHYSICS.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN ASTR. 101 OR ASTR. 102.
*3 HOURS

00875	LECT		1	M W F	66 LIB

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ASTR 307 CELESTIAL MECHANICS.
PREREQUISITE--ASTR. 306 OR PHYCS. 322.
3 HOURS, OR 1 UNIT

00876	LECT		2	M W F	104 OBSERV	MCVITTIE

ASTR 314 OBSERVATIONAL ASTRONOMY.
SAME AS C.E. 305.
PREREQUISITE--ASTR. 102 OR 210, MATH. 142 OR 143.
4 HOURS, OR 1 UNIT
*THREE HOURS OBSERVATIONAL WORK TO BE ARRANGED

00877	LECT		11	M W F	104 OBSERV	WYATT

ASTR 321 GALACTIC STRUCTURE
PREREQUISITE--ASTR. 102 OR 210, MATH. 142 OR 143.
3 HOURS, OR 1 UNIT

00878	LECT		1	M W F	104 OBSERV

ASTR 415 EXPERIMENTAL METHODS IN RADIO ASTRONOMY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

00879	CONF		ARR				

ASTR 486 CONSTITUTION OF THE IONOSPHERE--AN INTRODUCTION TO AERONOMY.
SAME AS E. E. 486.
PREREQUISITE--GRADUATE STANDING IN ELECTRICAL ENGINEERING, PHYSICS, OR ASTRONOMY, MATH. 341 OR EQUIVALENT.
1 UNIT

00880	LECT-DISC		10-1130	TU TH	335	E E B	BOWHILL

ASTR 491 SEMINAR IN SPECIAL TOPICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 TO 4 UNITS

00881	LECT-DISC	A	3	M W F	104	OBSERV	STAFF
00882	LECT-DISC	B	3-5	TU	104	OBSERV	STAFF

ASTR 499 THESIS RESEARCH
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

00883	CONF		ARR				STAFF

AVIATION

DEPARTMENT OFFICE 318 C E H

COURSES OFFERED BY THE INSTITUTE OF AVIATION ARE OPEN TO STUDENTS AND FACULTY IN ALL DEPARTMENTS OF THE UNIVERSITY, SUBJECT TO LIMITATIONS IMPOSED BY THE AVAILABILITY OF SPACE AND EQUIPMENT. CREDIT FOR INSTITUTE OF AVIATION COURSES IS GENERAL UNIVERSITY CREDIT. HOWEVER, ITS USE AS CREDIT TOWARD GRADUATION IS A MATTER FOR EACH COLLEGE TO PASS UPON.

THE FEE FOR EACH INSTITUTE OF AVIATION FLIGHT COURSE IS $375. ARRANGEMENT FOR THE PHYSICAL EXAMINATION FOR STUDENTS IN AVI. 101 ARE MADE BY THE INSTITUTE THROUGH THE UNIVERSITY HEALTH SERVICE UPON FINAL ACCEPTANCE IN THE PRIVATE PILOT COURSE AT REGISTRATION TIME. STUDENTS IN AVI. 104 ARE REQUIRED TO POSSESS A CURRENT SECOND CLASS F.A.A. MEDICAL CERTIFICATE AT THE TIME OF REGISTRATION.

BUS TRANSPORTATION BETWEEN THE CAMPUS AND AIRPORT IS PROVIDED FREE OF CHARGE TO ALL STUDENTS REGISTERED IN AVIATION COURSES. THE DAILY BUS SCHEDULE, WITH ROUTINGS, IS LISTED SEPARATELY IMMEDIATELY FOLLOWING THE FLIGHT COURSES. STUDENTS MAY PROVIDE THEIR OWN TRANSPORTATION IF THEY WISH. IN EITHER EVENT, ALL STUDENTS REGISTERING FOR AVIATION COURSES SHOULD SELECT THE APPROPRIATE TRANSPORTATION-TO-THE-AIRPORT SECTION AND THE APPROPRIATE TRANSPORTATION-TO-THE-CAMPUS SECTION IN ORDER TO AVOID CONFLICTS WITH ON-CAMPUS COURSES.

ALL STUDENTS PLANNING TO REGISTER FOR FLIGHT COURSES ARE CAUTIONED THAT THEY MUST HAVE FLIGHT SECTIONS APPROVED BY THE CHIEF FLIGHT INSTRUCTOR PRIOR TO ACTUAL REGISTRATION-OTHERWISE, CLOSED SECTIONS MAY FORCE WITHDRAWAL. THE CHIEF FLIGHT INSTRUCTOR MAY BE REACHED BY CALLING THE FLIGHT OPERATIONS OFFICE AT THE AIRPORT, TELEPHONE 822-5237.

IN SOME CASES TWO OR MORE COURSES MAY BE TAKEN CONCURRENTLY BY SPECIAL PERMISSION.

AVI 101 PRIVATE PILOT.
3 HOURS

00884	LECT-DISC	A	9	TU TH S	423	C E H	MOELLER
00885	LECT-DISC	B	2	M W F	423	C E H	HAAK
00886	LECT-DISC	C	4	M W F	143A	M E B	HAAK
00887	FLT	F1	8-930	M W F	AIRPORT		BENN AND STAFF
00888	FLT	F2	930-11	M W F		AIRPORT	
00889	FLT	F3	1230-2	M W F		AIRPORT	
00890	FLT	F4	2-330	M W F		AIRPORT	
00891	FLT	F5	330-5	M W F		AIRPORT	
00892	FLT	F6	8-930	TU TH S		AIRPORT	
00893	FLT	F7	930-11	TU TH S		AIRPORT	
00894	FLT	F8	1230-3	TU TH		AIRPORT	
00895	FLT	F9	3-530	TU TH		AIRPORT	

AVI 102 SECONDARY FLIGHT.
PREREQUISITE--AVI. 101 OR PRIVATE PILOT CERTIFICATE, CONSENT OF DIRECTOR.
3 HOURS

00896	LECT-DISC	A	8	TU TH S	423	C E H	MOELLER
00897	LECT-DISC	B	3	M W F	423	C E H	MOELLER
00898	FLT	F1	8-930	M W F		AIRPORT	GORDON AND
00899	FLT	F2	930-11	M W F		AIRPORT	STAFF
00900	FLT	F3	1230-2	M W F		AIRPORT	
00901	FLT	F4	2-330	M W F		AIRPORT	
00902	FLT	F5	330-5	M W F		AIRPORT	
00903	FLT	F6	8-930	TU TH S		AIRPORT	
00904	FLT	F7	930-11	TU TH S		AIRPORT	
00905	FLT	F8	1230-3	TU TH		AIRPORT	
00906	FLT	F9	3-530	TU TH		AIRPORT	

AVI 103 INTERMEDIATE FLIGHT.
PREREQUISITE--AVI. 101 OR PRIVATE PILOT CERTIFICATE, CONSENT OF DIRECTOR.
3 HOURS

00907	LECT-DISC		9	M W F	423	C E H	MOELLER
00908	FLT	X2	1-5	M		AIRPORT	GORDON AND
00909	FLT	X3	8-12	TU		AIRPORT	STAFF
00910	FLT	X4	1-5	TU		AIRPORT	
00911	FLT	X6	1-5	W		AIRPORT	
00912	FLT	X7	8-12	TH		AIRPORT	
00913	FLT	X8	1-5	TH		AIRPORT	
00914	FLT	X10	1-5	F		AIRPORT	
00915	FLT	X11	8-12	S		AIRPORT	

AVI 104 ADVANCED FLIGHT.
PREREQUISITE--AVI. 102 AND 103, CONSENT OF DIRECTOR.
3 HOURS

00916	LECT-DISC		10	M W F	423	C E H	MOELLER
00917	FLT	F1	8-930	M W F		AIRPORT	GORDON AND
00918	FLT	F3	1230-2	M W F		AIRPORT	STAFF
00919	FLT	F4	2-330	M W F		AIRPORT	
00920	FLT	F5	330-5	M W F		AIRPORT	
00921	FLT	F6	8-930	TU TH S		AIRPORT	
00922	FLT	F7	930-11	TU TH S		AIRPORT	
00923	FLT	F8	1230-3	TU TH		AIRPORT	
00924	FLT	F9	3-530	TU TH		AIRPORT	

AVI 205 FLIGHT INSTRUCTOR.
PREREQUISITE--COMMERCIAL PILOT CERTIFICATE, JUNIOR STANDING, CONSENT OF DIRECTOR.
3 HOURS

00925	LECT-DISC		1030-12	TU TH	423	C E H	HAAK
00926	FLT	F1	8-930	M W F		AIRPORT	ANDERSON AND
00927	FLT	F2	930-11	M W F		AIRPORT	STAFF
00928	FLT	F3	1230-2	M W F		AIRPORT	
00929	FLT	F4	2-330	M W F		AIRPORT	
00930	FLT	F5	330-5	M W F		AIRPORT	
00931	FLT	F6	8-930	TU TH S		AIRPORT	
00932	FLT	F8	1230-3	TU TH		AIRPORT	
00933	FLT	F9	3-530	TU TH		AIRPORT	

AVI 207 ADVANCED INSTRUMENT FLIGHT PROCEDURES.
PREREQUISITE--AVI. 206 OR 40 HOURS OF SIMULATED INSTRUMENT FLIGHT EXPERIENCE, JUNIOR STANDING CONSENT OF DIRECTOR.
3 HOURS

00934	LECT-DISC		8	M W F	423	C E H	HAAK
00935	FLT	F2	930-11	M W F		AIRPORT	ANDERSON AND
00936	FLT	F3	1230-2	M W F		AIRPORT	STAFF
00937	FLT	F4	2-330	M W F		AIRPORT	
00938	FLT	F5	330-5	M W F		AIRPORT	
00939	FLT	F6	8-930	TU TH S		AIRPORT	
00940	FLT	F7	930-11	TU TH S		AIRPORT	
00941	FLT	F8	1230-3	TU TH		AIRPORT	
00942	FLT	F9	3-530	TU TH		AIRPORT	

AVI 292 SPECIAL RATING--MULTI-ENGINE LAND.
PREREQUISITE--COMMERCIAL PILOT CERTIFICATE, CONSENT OF DIRECTOR.
1 HOUR

00943	DISC		ARR		AIRPORT	STONECIPHER
00944	FLT	F1	8-930	M W F	AIRPORT	AND STAFF
00945	FLT	F2	930-11	M W F	AIRPORT	
00946	FLT	F3	1230-2	M W F	AIRPORT	
00947	FLT	F4	2-330	M W F	AIRPORT	
00948	FLT	F5	330-5	M W F	AIRPORT	
00949	FLT	F6	8-930	TU TH S	AIRPORT	
00950	FLT	F7	930-11	TU TH S	AIRPORT	
00951	FLT	F8	1230-3	TU TH	AIRPORT	
00952	FLT	F9	3-530	TU TH	AIRPORT	

BUS SCHEDULE AND ROUTE

MONDAY-WEDNESDAY-FRIDAY

LEAVE CAMPUS-ARRIVE AIRPORT LEAVE AIRPORT-ARRIVE CAMPUS

TUESDAY-THURSDAY-SATURDAY

THE INSTITUTE OF AVIATION BUS MAKES REGULAR TRIPS BETWEEN THE AIRPORT AND THE CAMPUS BEGINNING ON THE FIRST DAY OF CLASSES AND CONTINUING THROUGH THE LAST DAY OF FINAL EXAMINATIONS. ON THE FIRST TRIP TO THE CAMPUS EACH MORNING THE BUS IS ROUTED VIA THE ORCHARD DOWNS HOUSING UNITS AND THE PENNSYLVANIA AVE. RESIDENCE HALLS. THE BUS LEAVES FROM THE CAMPUS PARKING LOCATION AT THE NORTH EAST CORNER OF AERO LAB B, AND MAKES REGULAR STOPS ON THE WAY TO THE AIRPORT AT THE CORNERS OF SIXTH AND ARMORY STREETS, FOURTH STREET AND GREGORY DRIVE, AND FIRST STREET AND GREGORY DRIVE. THE TRIP FROM THE AIRPORT BACK TO THE CAMPUS IS VIA GREGORY DRIVE AND GOODWIN AVENUE TO THE PARKING LOCATION. THE SCHEDULE IS AS FOLLOWS--

SECT.			SECT.		
A1	7.30	8.00	C1	8.30	9.00
A2	9.00	9.30	C2	9.30	10.00
A3	10.00	10.30	C3	11.00	11.30
A4	12.00	12.30PM	C4	12.30PM	1.00PM
A5	1.00PM	1.30	C5	1.30	2.00
A6	2.00	2.30	C6	2.30	3.00
A7	3.00	3.30	C7	3.30	4.00
A8	4.00	4.30	C8	5.00	5.30
A9	5.30	6.00			
SECT.			SECT.		
A10	7.30	8.00	C9	8.30	9.00
A11	9.00	9.30	C10	9.30	10.00
A12	10.00	10.30	C11	11.00	11.30
A13	12.00	12.30PM	*C12	12.30PM	1.00PM
*A14	1.00	1.30	C13	1.30	2.00
A15	2.00	2.30	C14	2.30	3.00
A16	3.00	3.30	C15	3.30	4.00
A17	4.00	4.30	C16	5.30	6.00
A18	6.00	6.30			

NOTE-- 1. ASTERISK DENOTES LAST TRIP ON SATURDAYS.
2. STUDENTS SHOULD SELECT BUS SECTIONS FROM THE FOLLOWING LIST--

00953	FLT	A1	730-8	M W F	CAMPUS
00954	FLT	A2	9-930	M W F	CAMPUS
00955	FLT	A3	10-1030	M W F	CAMPUS
00956	FLT	A4	12-1230	M W F	CAMPUS
00957	FLT	A5	1-130	M W F	CAMPUS
00958	FLT	A6	2-230	M W F	CAMPUS
00959	FLT	A7	3-330	M W F	CAMPUS
00960	FLT	A8	4-430	M W F	CAMPUS
00961	FLT	A9	530-6	M W F	CAMPUS
00962	FLT	C1	830-9	M W F	AIRPORT
00963	FLT	C2	930-10	M W F	AIRPORT
00964	FLT	C3	11-1130	M W F	AIRPORT
00965	FLT	C4	1230-1	M W F	AIRPORT
00966	FLT	C5	130-2	M W F	AIRPORT
00967	FLT	C6	230-3	M W F	AIRPORT
00968	FLT	C7	330-4	M W F	AIRPORT
00969	FLT	C8	5-530	M W F	AIRPORT
00970	FLT	A10	730-8	TU TH S	CAMPUS
00971	FLT	A11	9-930	TU TH S	CAMPUS
00972	FLT	A12	10-1030	TU TH S	CAMPUS
00973	FLT	A13	12-1230	TU TH S	CAMPUS
00974	FLT	A14	1-130	TU TH S	CAMPUS
00975	FLT	A15	2-230	TU TH	CAMPUS
00976	FLT	A16	3-330	TU TH	CAMPUS
00977	FLT	A17	4-430	TU TH	CAMPUS
00978	FLT	A18	6-630	TU TH	CAMPUS
00979	FLT	C9	830-9	TU TH S	AIRPORT
00980	FLT	C10	930-10	TU TH S	AIRPORT
00981	FLT	C11	11-1130	TU TH S	AIRPORT
00982	FLT	C12	1230-1	TU TH S	AIRPORT
00983	FLT	C13	130-2	TU TH	AIRPORT
00984	FLT	C14	230-3	TU TH	AIRPORT
00985	FLT	C15	330-4	TU TH	AIRPORT
00986	FLT	C16	530-6	TU TH	AIRPORT

AVI 150. AIRCRAFT ENGINE OVERHAUL.
PREREQUISITE--FIRST SEMESTER OF THE AIRCRAFT MAINTENANCE CURRICULUM OR EQUIVALENT.
3 HOURS
NOTE-- A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 150 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 152 AND AVI. 154.
SECTIONS MEET FOR 5 WEEKS

00987	LECT	A	8-10	M W F	Q7 AIRPORT	TRULOCK
00987	LAB	A	10-12	M W F	Q7 AIRPORT	TRULOCK
		A	930-12	TU TH	Q7 AIRPORT	TRULOCK
00988	LECT	B	8-10	M W F	Q7 AIRPORT	TRULOCK
00988	LAB	B	10-12	M W F	Q7 AIRPORT	TRULOCK
		B	930-12	TU TH	Q7 AIRPORT	TRULOCK
00989	LECT	C	3-5	M W F	Q7 AIRPORT	TRULOCK
00989	LAB	C	130-3	M W F	Q7 AIRPORT	TRULOCK
		C	1-5	TU TH	Q7 AIRPORT	TRULOCK

AVI 152 AIRCRAFT ENGINE ACCESSORY OVERHAUL.
PREREQUISITE--FIRST SEMESTER OF THE AIRCRAFT MAINTENANCE CURRICULUM OR EQUIVALENT.
3 HOURS
NOTE-- A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 152 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 150 AND AVI. 154.
SECTIONS MEET FOR 5 WEEKS.

00990	LECT	A	ARR		Q49 AIRPORT	MYLIN
00990	LAB	A	ARR		Q49 AIRPORT	MYLIN
		A	ARR		Q49 AIRPORT	MYLIN
00991	LECT	B	ARR		Q49 AIRPORT	MYLIN
00991	LAB	B	ARR		Q49 AIRPORT	MYLIN
		B	ARR		Q49 AIRPORT	MYLIN
00992	LECT	C	ARR		Q49 AIRPORT	MYLIN
00992	LAB	C	ARR		Q49 AIRPORT	MYLIN
		C	ARR		Q49 AIRPORT	MYLIN

AVI 153 AIRCRAFT SHOP PRACTICE.
3 HOURS

00993	LECT		1230-120	TU	Q3 AIRPORT	MYLIN
00993	LAB		1230-220	TH	Q3 AIRPORT	MYLIN, BAILEY

AVI 154 AIRCRAFT PROPELLERS.
PREREQUISITE--FIRST SEMESTER OF THE AIRCRAFT MAINTENANCE CURRICULUM OR EQUIVALENT.
3 HOURS
NOTE-- A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 154 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 150 AND AVI. 152.
SECTIONS MEET FOR 5 WEEKS.

00994	LECT	A	ARR		Q31 AIRPORT	BAILEY
00994	LAB	A	ARR		Q31 AIRPORT	BAILEY
		A	ARR		Q31 AIRPORT	BAILEY
00995	LECT	B	ARR		Q31 AIRPORT	BAILEY
00995	LAB	B	ARR		Q31 AIRPORT	BAILEY
		B	ARR		Q31 AIRPORT	BAILEY
00996	LECT	C	ARR		Q31 AIRPORT	BAILEY
00996	LAB	C	ARR		Q31 AIRPORT	BAILEY
		C	ARR		Q31 AIRPORT	BAILEY

AVI 155 AIRCRAFT MATHEMATICS.
3 HOURS

00997	LECT-DISC	A	8-920	TU TH	Q3 AIRPORT	TRULOCK
00998	LECT-DISC	B	1230-120	M W F	Q3 AIRPORT	MYLIN

AVI 158 AIRCRAFT OVERHAUL.
3 HOURS
NOTE-- A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 158 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 160 AND AVI. 162.
SECTIONS MEET FOR 5 WEEKS.

00999	LECT-DISC	A	1130-1220	M W F	Q8	AIRPORT	APPLEGATE
00999	LAB	A	1030-1220	TU TH	Q8	AIRPORT	APPLEGATE
		A	1-3	MTUWTHF	Q8	AIRPORT	APPLEGATE
01000	LECT-DISC	B	1130-1220	M W F	Q8	AIRPORT	LINDER
01000	LAB	B	11-1220	TU TH	Q8	AIRPORT	LINDER
		B	2-3	M W F	Q8	AIRPORT	LINDER
		B	1-5	TU TH	Q8	AIRPORT	LINDER
01001	LECT-DISC	C	1130-1220	M W F	Q8	AIRPORT	ELKINS
01001	LAB	C	1030-1220	TU TH	Q8	AIRPORT	ELKINS
		C	1-3	MTUWTHF	Q8	AIRPORT	ELKINS

AVI 160 AIRCRAFT RIGGING AND ASSEMBLY.
2 HOURS
NOTE-- A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 160 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 158 AND AVI. 162.
SECTIONS MEET FOR 5 WEEKS.

01002	LECT-DISC	A	ARR		Q8	AIRPORT	APPLEGATE
01002	LAB	A	ARR		Q8	AIRPORT	APPLEGATE
01003	LECT-DISC	B	ARR		Q8	AIRPORT	LINDER
01003	LAB	B	ARR		Q8	AIRPORT	LINDER
01004	LECT-DISC	C	ARR		Q8	AIRPORT	ELKINS
01004	LAB	C	ARR		Q8	AIRPORT	ELKINS

AVI 162 AIRCRAFT SYSTEMS AND APPLIANCES.
3 HOURS
NOTE-- A STUDENT WHO REGISTERS FOR A SECTION IN AVI. 162 MUST ALSO REGISTER IN THE SAME SECTION IN AVI. 158 AND AVI. 160.
SECTIONS MEET FOR 5 WEEKS.

01005	LECT-DISC	A	ARR		Q8	AIRPORT	APPLEGATE
01005	LAB	A	ARR		Q8	AIRPORT	APPLEGATE
01006	LECT-DISC	B	ARR		Q8	AIRPORT	LINDER
01006	LAB	B	ARR		Q8	AIRPORT	LINDER
01007	LECT-DISC	C	ARR		Q8	AIRPORT	ELKINS
01007	LAB	C	ARR		Q8	AIRPORT	ELKINS

AVI 168 PROBLEMS OF AIRCRAFT MAINTENANCE.
PREREQUISITE--SOPHOMORE STANDING.
2 HOURS

01008	LECT-DISC	A	930	M F	Q8	AIRPORT	APPLEGATE
01009	LECT-DISC	B	4	M F	Q8	AIRPORT	LINDER
01010	LECT-DISC	C	4	M F	Q8	AIRPORT	ELKINS

AVI 170 AIRCRAFT ELECTRICAL SYSTEMS AND COMPONENTS.
3 HOURS

01011	LECT-DISC	A	1030	M F	Q8	AIRPORT	APPLEGATE
		A	930-1120	W	Q8	AIRPORT	APPLEGATE
01012	LECT-DISC	B	3	M F	Q8	AIRPORT	LINDER
		B	3-5	W	Q8	AIRPORT	LINDER
01013	LECT-DISC	C	3	M F	Q8	AIRPORT	ELKINS
		C	3-5	W	Q8	AIRPORT	ELKINS

AVI 181 INTRODUCTION TO ELECTRONIC THEORY AND PRACTICE.
3 HOURS

01014	LECT-DISC	3-5	M W F	Q4	AIRPORT	ROHRER

AVI 182 BASIC ELECTRONIC THEORY.
PREREQUISITE--AVI. 181.
3 HOURS

01015	LECT-DISC	1-3	M W F	Q4	AIRPORT	ROHRER

AVI 183 ADVANCED ELECTRONIC THEORY.
PREREQUISITE--AVI. 182.
3 HOURS

01016	LECT-DISC	1-4	TU TH	Q4	AIRPORT	ROHRER

AVI 184 AIRCRAFT NAVIGATION AND COMMUNICATIONS SYSTEM.
PREREQUISITE--AVI. 183 OR CONSENT OF INSTRUCTOR.
5 HOURS

01017	LECT-DISC	ARR		Q4	AIRPORT	STAFF

AVI 185 AIRCRAFT ELECTRICAL SYSTEMS.
PREREQUISITE--AVI. 181.
5 HOURS
01018 LECT-DISC ARR Q4 AIRPORT STAFF

AVI 186 F.A.A. AND F.C.C. REGULATIONS.
3 HOURS
01019 LECT-DISC ARR Q4 AIRPORT STAFF

AVI 188 AIRCRAFT INSTRUMENTATION.
PREREQUISITE--AVI. 183.
3 HOURS
01020 LECT-DISC ARR Q4 AIRPORT STAFF

BANDS

DEPARTMENT OFFICE 140 BAND

THE FOLLOWING COURSES ARE OPEN TO STUDENTS WHO HAVE BEEN ACCEPTED BY EXAMINATION FOR MEMBERSHIP IN ONE OF THE UNIVERSITY BANDS--CONCERT BAND, FIRST REGIMENTAL BAND, SECOND REGIMENTAL BAND--SECTION A OR SECTION B. ASSIGNMENTS ARE MADE ACCORDING TO PROFICIENCY AND INSTRUMENTATION. COMPLETION OF THE COURSES INVOLVES, IN ADDITION TO THE SCHEDULE OF REHEARSALS, PARTICIPATION IN THE PUBLIC APPEARANCES OF THE BANDS.

NEW STUDENTS SHOULD MAKE APPOINTMENTS FOR AUDITIONS AT THE BANDS OFFICE BEFORE OR AT THE BEGINNING OF REGISTRATION WEEK. THOSE WHO ARE ACCEPTED WILL BE GIVEN BAND REGISTRATION PERMITS, WITH INDICATION OF THE COURSE NUMBER, THE BAND TO WHICH ASSIGNED, AND THE REHEARSAL DAYS AND HOURS--TWO OR THREE TIMES A WEEK.

ALL MEMBERS MUST REGISTER AND SECURE CLASS CARDS FROM THE BANDS OFFICE.

DIRECTOR HINDSLEY, ASSISTANT DIRECTOR KISINGER, ASSISTANT TO THE DIRECTOR DUKER, MR. SEXTON, MR. MCKENZIE.

COURSES FOR UNDERGRADUATES

BAND 102 FRESHMAN BAND
NO CREDIT
01021 PRACT ARR BAND

BAND 104 SOPHOMORE BAND
NO CREDIT
01022 PRACT ARR BAND

COURSES FOR ADVANCED UNDERGRADUATES

BAND 202 JUNIOR BAND
NO CREDIT
01023 PRACT ARR BAND

BAND 204 SENIOR BAND
NO CREDIT
01024 PRACT ARR BAND

REHEARSAL SCHEDULE

CONCERT BAND--400 TO 530 TT

FIRST REGIMENTAL BAND--400 TO 530 MW

SECOND REGIMENTAL BAND--SECTION A, 100 MWF
SECOND REGIMENTAL BAND--SECTION B, 200 MWF

ALL REHEARSALS IN ROOM 141 BAND BUILDING.

BIOLOGY

DEPARTMENT OFFICE 131 BUR HALL

COURSES FOR UNDERGRADUATES

BIOL 151 THE CELL.
PREREQUISITE--CONSENT OF INSTRUCTOR, ADVANCED PLACEMENT IN BIOLOGY OR JAMES SCHOLARS STATUS, OR ONE YEAR BIOLOGY, CHEMISTRY, PHYSICS, AND A COURSE IN TRIGONOMETRY.
5 HOURS

01025	LECT	11	M W F	238	ADMIN	STERN, NANNEY
01025	LAB-DISC	1-5	F	246	BUR HALL	[illegible]

COURSES FOR ADVANCED UNDERGRADUATES

BIOL 204 HONORS SEMINAR.
PREREQUISITE--JUNIOR OR SENIOR STANDING, 4.0 CUMULATIVE AVERAGE, TWO COURSES IN BIOLOGY OR CONSENT OF INSTRUCTOR.
1 HOUR

01026	LECT-DISC &A	730PM	M	ARR		[illegible], SHOEMAKER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BIOL 351 POPULATION BIOLOGY.
PREREQUISITE--BIO. 151 AND 251.
3 HOURS, OR 3/4 UNIT

01027	LECT	9	TU TH	140	BUR HALL	GHENT
01027	LAB	9-12	S	246	BUR HALL	

COURSES FOR GRADUATES

BIOL 423 ELECTRON MICROSCOPY.
SAME AS CHEM. AND ZOOL. 423.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENT WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS AND MATHEMATICS.
1/4 UNIT

01028	LAB	4	M	282	BEV HALL	V B HALL

BIOL 429 ELECTRON MICROSCOPY LABORATORY.
SAME AS CHEM. AND ZOOL. 429.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENTS WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS, AND MATHEMATICS, CREDIT OR REGISTRATION IN BIOL. 423, CONSENT OF INSTRUCTOR.
1/2 OR 3/4 UNIT

01029	LAB	ARR		97	BEV HALL	V B HALL
01029	DISC	4	W	282	BEV HALL	[illegible]

BIOPHYSICS

DEPARTMENT OFFICE 524 BUR HALL

COURSES FOR GRADUATES

BIOPH 402 ADVANCED BIOPHYSICS, II.
PREREQUISITE--ONE YEAR OF PHYSICS BEYOND INTRODUCTORY PHYSICS OR EQUIVALENT, CALCULUS, PHYSICAL CHEMISTRY.
3/4 UNIT

01030	LECT-DISC	10	TU TH S	136	BUR HALL	STAFF

BIOPH 403 BIOPHYSICAL TECHNIQUES.
PREREQUISITE--CREDIT OR REGISTRATION IN BIOPH. 402 OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

01031	LECT-DISC	1-3	F	136	BUR HALL	STAFF
01031	LAB	3-5	F	ARR		STAFF
		8-12	S	ARR		STAFF

BIOPH 410 SPECIAL TOPICS IN BIOPHYSICS.
PREREQUISITE--BIOPH. 401 OR EQUIVALENT, BIOPH. 402 AND 403.
1/2 TO 1 UNIT

01032	CONF	ARR				STAFF

BIOPH 411 SEMINAR
PREREQUISITE--ENROLLMENT IN THE BIOPHYSICS PROGRAM OR CONSENT OF INSTRUCTOR.
1/2 UNIT
TOPIC--TO BE ANNOUNCED.

01033	DISC	730-10PM	TH	136	BUR HALL	STAFF

BIOPH 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

01034	CONF	ARR				STAFF

BOTANY

DEPARTMENT OFFICE 208 N H B

MAJOR--TWENTY HOURS OF BOTANY EXCLUDING BOTANY 100, 101, D.G.S. 131, AND 132, BUT INCLUDING BOT. 160, 302,303, AND 330 OR THEIR EQUIVALENT. THE BALANCE OF THE MINIMUM OF TWENTY HOURS MUST BE TAKEN IN OTHER 300 LEVEL COURSES. BOT. 210 AND 381 ARE STRONGLY RECOMMENDED. IN ADDITION ONE SEMESTER EACH OF ORGANIC CHEMISTRY, PHYSICS AND ZOOLOGY WILL BE REQUIRED. ONE ADDITIONAL SEMESTER OF PHYSICAL SCIENCE IS ALSO REQUIRED, BUT THIS MAY BE SELECTED FROM COURSES IN PHYSICS OR GEOLOGY. CREDIT NOT TO EXCEED TWO HOURS IN BIOL. 203 AND 204 MAY BE INCLUDED IN THE TWENTY HOURS OF CREDIT FOR THE MAJOR.

MINORS--TWENTY HOURS IN ONE OR TWO SUBJECTS CHOSEN IN CONSULTATION WITH THE CHAIRMAN OF THE DEPARTMENT FROM THE FOLLOWING--AGRONOMY, CHEMISTRY, ENTOMOLOGY, GEOGRAPHY, GEOLOGY, HORTICULTURE, MATHEMATICS MICROBIOLOGY, PHYSICS, PHYSIOLOGY, PLANT PATHOLOGY, AND ZOOLOGY. AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH SUBJECT IF TWO ARE CHOSEN.

IF HORTICULTURE IS CHOSEN AS A MINOR, NOT MORE THAN TEN HOURS MAY BE COUNTED. THE TEN HOURS MAY BE CHOSEN FROM HORT. 100, 110, 121, 201, 230 OR 233, 242, 262, 307 OR 308, 321 OR 322, 367, AND 382.

NOTE--ATTENTION IS CALLED TO ADDITIONAL COURSE OFFERINGS LISTED UNDER BIOLOGY.

COURSES FOR UNDERGRADUATES

BOT 100 GENERAL BOTANY.
*CREDIT IS NOT GIVEN IN BOT. 100 IN ADDITION TO CREDIT IN D. G. S. 131 OR 132.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

01035	LECT	1	9	TU TH	228	N H B	BLISS,
01036	LECT	2	11	TU TH	228	N H B	CAROTHERS
01037	LAB	A	8-10	M W	258	N H B	
01038	LAB	B	10-12	M W	258	N H B	
01039	LAB	C	1-3	M W	258	N H B	
01040	LAB	D	3-5	M W	258	N H B	
01041	LAB	E	10-12	TU TH	258	N H B	
01042	LAB	F	1-3	TU TH	258	N H B	
01043	LAB	G	3-5	TU TH	258	N H B	
							HUFFMAN,
							PADILLO

BOT 101 GENERAL BOTANY FOR SELECTED STUDENTS.
5 HOURS

01044	LAB-DISC	6A	1-3	M W F	204	N H B	STAFF

BOT 160 INTRODUCTORY PLANT TAXONOMY.
PREREQUISITE--BOT. 100, OR D.G.S. 131 AND 132.
FIELD TRIPS.
3 HOURS

01045	LECT		10	TU TH	247	N H B	JONES
01046	LAB	A	11	TU TH	408	N H B	
01047	LAB	B	1-3	TU	408	N H B	
01048	LAB	C	3-5	TH	408	N H B	

COURSES FOR ADVANCED UNDERGRADUATES

BOT 210 GENETICS.
SAME AS ZOOL. 210
PREREQUISITE--BOT. 100 AND ZOOL. 101 OR CONSENT OF INSTRUCTOR.
4 HOURS

01049	LECT		2	M W F	124	BUR HALL	KITZMILLER,
01050	LAB-DISC	1	8-10	TU	ARR	H H	LAUGHNAN, LUCE,
01051	LAB-DISC	2	8-10	W	ARR	H H	NANNEY
01052	LAB-DISC	3	10-12	W	ARR	H H	
01053	LAB-DISC	4	8-10	TH	ARR	H H	
01054	LAB-DISC	5	8-10	F	ARR	H H	
01055	LAB-DISC	6	10-12	F	ARR	H H	

BOT 293 HONORS.
PREREQUISITE--FIFTEEN HOURS OF BOTANY, SENIOR STANDING.
2 HOURS

01056	CONF	6	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BOT 300 INDIVIDUAL TOPICS.
PREREQUISITE--BOT. 100, TEN HOURS OF ADVANCED WORK IN BOTANY OR ANOTHER BIOLOGICAL SCIENCE, SENIOR STANDING.
*GRADUATE STUDENTS MAY OFFER 1 UNIT TOWARD M. S.
*2 TO 5 HOURS, OR 1/4 OR 1/2 UNIT

01057	CONF	ARR	STAFF

BOT 303 COMPARATIVE MORPHOLOGY--VASCULAR PLANTS.
PREREQUISITE--BOT. 100, OR D. G. S. 131 AND 132, OR EQUIVALENT.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN BOT. 304.
*3 HOURS, OR 1/2 UNIT

01058	LECT		10	M W	201	H H	PHILLIPS
01058	LAB		10-12	F	201	H H	PHILLIPS

BOT 306 BIOLOGY FOR TEACHERS.
SAME AS ZOOL. 306.
ADJUSTED TO PRACTICE TEACHING.
PREREQUISITE--BOT. 100, ZOOL. 101 OR 104, OR A ONE-YEAR COURSE IN GENERAL BIOLOGY, JUNIOR STANDING, EXPECTATION OF TEACHING.
FIELD TRIPS--2 TO 4 HOUR TRIPS ON SATURDAY.
3 HOURS, OR 1/2 UNIT
*FOUR ADDITIONAL CLASS MEETINGS TO BE ARRANGED.

01059	LAB-DISC	3-5	TU	F	46 EDUC		STAFF
01059	LECT	3-5		TH	46 EDUC		STAFF

BOT 325 PALEOBOTANY.
SAME AS GEOL. 325.
PREREQUISITE--BOT. 100 OR D.G.S. 131 AND 132, GEOL. 101 OR CONSENT OF INSTRUCTOR.
2 OR 3 FIELD TRIPS.
5 HOURS, OR 1 UNIT

01060	LAB-DISC	1-3	M W	F	415	N H B	STAFF

BOT 330 INTERMEDIATE PLANT PHYSIOLOGY.
PREREQUISITE--ONE YEAR OF BIOLOGY AND ONE SEMESTER OF ORGANIC CHEMISTRY.
5 HOURS, OR 1 UNIT

01061	LECT	9	M W	F	153	N H B	NANCE,
01061	LAB	1-4	TU TH		153	N H B	GOVINDJEE

BOT 341 FIELD ECOLOGY.
PREREQUISITE--ONE OF THE FOLLOWING--BOT. 160, 366, 381, OR 385 AND CONSENT OF INSTRUCTOR.
FIELD TRIP DURING SPRING VACATION.
*STUDENTS MAY ACCUMULATE 3 HOURS OR 3/4 UNIT.
*1 HOUR, OR 1/4 UNIT
TRIP TO BE APRIL 16 TO APRIL 27. DEPOSIT OF $25 REQUIRED BY APRIL 1, 1965.

01062	LAB	ARR					BLISS

BOT 372 GENERAL MYCOLOGY.
PREREQUISITE--ONE YEAR OF BOTANY, ENTOMOLOGY, MICROBIOLOGY, OR ZOOLOGY, SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

01063	LAB-DISC	10-12	M W	F	408	N H B	ROGERS

BOT 382 *ECOLOGICAL METHODS.
PREREQUISITE--ONE YEAR OF BOTANY INCLUDING BOT. 381 OR EQUIVALENT.
5 HOURS, OR 1 UNIT

01064	LECT	1-3	M W		259	N H B	BLISS
01064	LAB	1-4		F	259	N H B	BLISS

COURSES FOR GRADUATES

BOT 410 BOTANY DISCUSSIONS.
*NO CREDIT GIVEN EXCEPT FOR STUDENTS PRESENTING RESULTS OF THEIR PH. D. THESIS RESEARCH.
*0 OR 1/4 UNIT

01065	LECT	4	TU		202	H H	STAFF

BOT 411 DISCUSSIONS IN GENETICS AND CYTOGENETICS.
SAME AS ZOOL. 411.
1/4 UNIT
INSTRUCTORS--LAUGHNAN, STEFFENSEN, BADER, KITZMILLER, LUCE, NANNEY.

01066	LECT-DISC	4	W		416	N H B	

BOT 413 DISCUSSIONS IN PLANT PHYSIOLOGY.
1/4 UNIT

01067	LECT-DISC	8PM	TU		ARR		NANCE, STERN

BOT 419 DISCUSSIONS IN PHOTOSYNTHESIS AND RELATED TOPICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 UNIT

01068	LECT-DISC	330		F	154	N H B	GOVINDJEE, RABINOWITCH

BOT 424 MINERAL NUTRITION OF PLANTS.
SAME AS HORT. AND AGRON. 424.
PREREQUISITE--BOT. 330 OR CONSENT OF INSTRUCTOR.
1 UNIT

01069	LECT-DISC		8	TU TH	N107	T H	HAGEMAN
			8-10	S	N107	T H	

BOT 427 DISCUSSIONS IN MYCOLOGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 UNIT

01070	LECT-DISC		4	W	408	N H B	ROGERS

BOT 433 ADVANCED PHYSIOLOGY OF GROWTH, RESPONSES, AND REPRODUCTION.
PREREQUISITE--BOT. 330 OR EQUIVALENT.
1 UNIT

01071	LECT		8	M W F	201	H H	HANSON, MCCULLUM, NANCE, WILSON

BOT 436 PRINCIPLES IN PLANT PHYSIOLOGY.
1 UNIT
PREREQUISITE--AT LEAST ONE COURSE AT THE COLLEGE LEVEL IN EACH OF THE FOLLOWING--BIOLOGY, CHEMISTRY, AND PHYSICS, OR PHYSICAL CHEMISTRY.

01072	LECT		1	M	153	N H B	GOVINDJEE
01073	LAB	A	2-4	M	153	N H B	
01074	LAB	B	1-4	W	153	N H B	

BOT 450 PHYCOLOGY.
PREREQUISITE--ONE YEAR OF BOTANY OR ANOTHER BIOLOGICAL SCIENCE, OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

07062	LAB-DISC		1-4	TU TH	201	H H	HOFFMAN

BOT 471 ADVANCED MYCOLOGY--SPECIAL GROUPS.
PREREQUISITE--BOT. 372 OR CONSENT OF INSTRUCTOR.
1/2 UNIT

01075	LAB		4	M	408	N H B	ROGERS

BOT 493 ADVANCED STUDIES IN BOTANY.
* NOT MORE THAN 1 UNIT MAY BE APPLIED TOWARD THE GRADUATE COLLEGE M.S. DEGREE REQUIREMENT OF 3 UNITS OF COURSE WORK.
*1/2 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING FIELDS--

A--ANATOMY--PLANT	CAROTHERS, PAOLILLO
B--CYTOGENETICS	STEFFENSEN
C--CYTOLOGY	STEFFENSEN
D--ECOLOGY--PLANT	BLISS
E--GENETICS--PLANT	LAUGHNAN
F--MORPHOLOGY--HIGHER VASCULAR PLANTS	CAROTHERS, PAOLILLO
G--MORPHOLOGY--PRIMITIVE VASCULAR PLANTS	STEWART
H--MYCOLOGY	ROGERS
I--PALEOBOTANY	STEWART, PHILLIPS
J--PHOTOSYNTHESIS	RABINOWITCH, GOVINDJEE
K--PHYCOLOGY	HOFFMAN
L--PHYSIOLOGY--PLANT	NANCE, STERN
M--TAXONOMY OF BRYOPHYTES	JONES
N--TAXONOMY OF VASCULAR PLANTS	JONES
O--VIROLOGY--PLANT	BLACK

01076	LAB		ARR				STAFF

BOT 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

01077	LAB		ARR				STAFF

BURMESE

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

COURSES FOR ADVANCED UNDERGRADUATES

BURM 202 ELEMENTARY BURMESE, II.
PREREQUISITE--BURM. 201 OR EQUIVALENT.
3 HOURS
01078 LECT-DISC 8 M W F 154 ADMIN LEHMAN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

BURM 304 INTERMEDIATE BURMESE, II.
PREREQUISITE--BURM. 303 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT
01079 LECT-DISC ARR LEHMAN

BUSINESS

DEPARTMENT OFFICE 317B D K H

COURSES FOR GRADUATES

BUS 499 THESIS RESEARCH
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01080 CONF 4-6 M 20 COM W DEMARIS

BUSINESS ADMINISTRATION

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION--214 DAVID KINLEY HALL

COURSES FOR UNDERGRADUATES

B ADM 110 BUSINESS ADMINISTRATION HONORS.
OPEN ONLY TO JAMES SCHOLARS AND PARTICIPANTS IN THE PROGRAM FOR SUPERIOR STUDENTS IN THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION.
2 HOURS
01081 DISC & 1-3 TU 20 COM W

COURSES FOR ADVANCED UNDERGRADUATES

B ADM 210 BUSINESS ADMINISTRATION HONORS.
OPEN ONLY TO JAMES SCHOLARS AND PARTICIPANTS IN THE PROGRAM FOR SUPERIOR STUDENTS IN THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION.
PREREQUISITE--JUNIOR STANDING.
2 HOURS
01082 DISC &P1 3-5 TU 20 COM W
01083 DISC &P2 3-5 TH 20 COM W

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

B ADM 373 ELECTRONIC DATA PROCESSING FOR BUSINESS.
PREREQUISITE--ECON. 170, ACCY. 106 OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01084 DISC G 10 M W F 236 COM W
01085 DISC G 3 M W F 236 COM W

B ADM 500 BUSINESS ECONOMICS.
PREREQUISITE--ENROLLMENT IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT

01086	DISC		8	M W F	241	COM W
			9	M	226	COM W

B ADM 501 MANAGERIAL ECONOMICS.
PREREQUISITE--B. ADM. 500 OR EQUIVALENT.
3/4 UNIT
LABORATORY SESSIONS TO BE ARRANGED.

01087	DISC		11	M W F	241	COM W
			10	M	226	COM W

B ADM 510 ADMINISTRATIVE BEHAVIOR.
PREREQUISITE--REGISTRATION IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT
LABORATORY SESSIONS TO BE ARRANGED

01088	DISC		8-10	TU TH	241	COM W

B ADM 511 BUSINESS ORGANIZATION.
PREREQUISITE--B. ADM. 510.
3/4 UNIT

01089	DISC		1-215	TU TH	241	COM W

B ADM 513 SEMINAR IN ORGANIZATION THEORY.
PREREQUISITE--B. ADM. 512.
3/4 UNIT

01090	DISC	A	8-10	M	91	COM W
01091	DISC	B	8-10	F	91	COM W

B ADM 520 MARKETING.
PREREQUISITE--REGISTRATION IN THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT

01092	DISC		10	M W F	241	COM W
			11	M	226	COM W

B ADM 524 MARKET DEVELOPMENT.
PREREQUISITE--B.ADM. 522 OR CONSENT OF INSTRUCTOR.
3/4 UNIT

01093	DISC		8-915	TU TH	91	COM W

B ADM 525 PRODUCT MANAGEMENT.
PREREQUISITE--B. ADM. 522 OR CONSENT OF INSTRUCTOR.
3/4 UNIT

01094	DISC		4	M W F	226	COM W

B ADM 531 INTRODUCTION TO PRODUCTION.
PREREQUISITE--FIRST SEMESTER OF THE M. B. A. PROGRAM.
3/4 UNIT

01095	DISC		3-415	TU TH	241	COM W

B ADM 533 QUANTITATIVE TECHNIQUES IN PRODUCTION.
PREREQUISITE--B. ADM. 532 OR CONSENT OF INSTRUCTOR.
3/4 UNIT

01096	DISC		3	M W F	91	COM W

B ADM 540 WRITTEN ANALYSIS, I.
1/2 UNIT

01098	DISC	A	10-12	TU	241	COM W
01097	DISC	B	8-10	TU	226	COM W

B ADM 541 WRITTEN ANALYSIS, II.
PREREQUISITE--B.ADM. 540 OR CONSENT OF INSTRUCTOR.
1/2 UNIT
LABORATORY SESSIONS TO BE ARRANGED.

01099	DISC	A	10-12	TH	241	COM W
01100	DISC	B	8-10	TH	226	COM W

[illegible] FINANCIAL ANALYSIS.
PREREQUISITE--ENROLLMENT IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT

[illegible]	[illegible]	[illegible]	[illegible]	M W F	91	COM W

[illegible] LEGAL ASPECTS OF BUSINESS MANAGEMENT.
PREREQUISITE--ENROLLMENT IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT

[illegible]	[illegible]	[illegible]	11	M W F	91	COM W
[illegible]	[illegible]		10-12	TU TH	91	COM W

[illegible] 944 EXECUTIVE POLICIES AND PLANNING.
PREREQUISITE--FIRST YEAR MASTER OF BUSINESS ADMINISTRATION COURSES OR EQUIVALENT.
1 UNIT

[illegible]	[illegible]		10-12	TU TH	226	COM W

[illegible] 945 BUSINESS LOGISTICS.
PREREQUISITE--SECOND YEAR M.B.A. STANDING OR CONSENT OF INSTRUCTOR.
3/4 UNIT

[illegible]	[illegible]		1	M W F	91	COM W

B ADM 551 FINANCIAL ANALYSIS.
PREREQUISITE--ENROLLMENT IN THE GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT

[illegible]	[illegible]		3	M W F	241	COM W
			2	M	91	COM W

B ADM 553 FINANCIAL MANAGEMENT AND CONTROL, II.
PREREQUISITE--B. ADM. 552.
3/4 UNIT

[illegible]	[illegible]		2	M W F	226	COM W

[illegible] ADM 554 FINANCIAL THEORY AND POLICY.
PREREQUISITE--B. ADM. 553, 573 AND 575.
3/4 UNIT

[illegible]	[illegible]		1-3	TU TH	226	COM W

B ADM 560 MANAGERIAL ACCOUNTING AND CONTROL.
PREREQUISITE--ENROLLMENT IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT

[illegible]	[illegible]		2	M W F	241	COM W
			3	M	226	COM W

B ADM 563 CONTROLLERSHIP.
PREREQUISITE--B. ADM. 562 OR EQUIVALENT.
3/4 UNIT

[illegible]	[illegible]		4-415	W F	226	COM W

[illegible] 571 BELIEFS IN THE [illegible].
PREREQUISITE--REGISTRATION IN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION.
3/4 UNIT

[illegible]1111	DISC		4	M W F	241	COM W
			4	M	226	COM W
[illegible]1111	LAB		4	M	241	COM W

B ADM 572 MODERN AND CLASSICAL STATISTICS FOR BUSINESS DECISIONS.
PREREQUISITE--B. ADM. 571.
3/4 UNIT

[illegible]1112	DISC		1	M W F	241	COM W
[illegible]1112	LAB		4	W	241	COM W

B ADM 573 INTRODUCTION TO OPERATIONS RESEARCH.
PREREQUISITE--B. ADM. 572 AND FIRST YEAR OF M.B.A. PROGRAM.
3/4 UNIT

[illegible]1113	DISC		1	M W F	226	COM W
[illegible]1113	LAB		4	F	241	COM W

B ADM 574 APPLICATION OF OPERATIONS RESEARCH TECHNIQUES.
PREREQUISITE--B. ADM. 573.
3/4 UNIT
01114 DISC 4 [illegible] F [illegible] COM W

B ADM 583 INTERNATIONAL BUSINESS OPERATIONS, II.
PREREQUISITE--B. ADM. 582.
3/4 UNIT
01115 DISC 1-215 TU TH [illegible] COM W

B ADM 590 INDEPENDENT STUDY AND RESEARCH.
1/2 OR 1 UNIT
01116 CONF APR

B ADM 599 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01117 CONF 3-5 TU TH [illegible] COM W

BUSINESS EDUCATION

DEPARTMENT OFFICE [illegible]

COURSES FOR UNDERGRADUATES

NOTE--COMMERCE UNDERGRADUATES MAY RECEIVE CREDIT IN B. ED. 101, 102, 111, AND 112 IF REGISTERED IN THE CURRICULUM IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING. STUDENTS NOT MAJORING IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING SHOULD CHECK WITH THEIR COLLEGE OFFICES FOR THE CREDIT ALLOWED FOR THESE COURSES.

B ED 101 BEGINNING TYPEWRITING.
2 HOURS
01118 LAB-DISC A 9 MTUWTHF 3 [illegible] STAFF

B ED 102 INTERMEDIATE TYPEWRITING.
PREREQUISITE--B.ED. 101 OR EQUIVALENT.
2 HOURS
01119 LAB-DISC C 10 MTUWTHF [illegible]

B ED 111 BEGINNING SHORTHAND.
3 HOURS
01120 LAB-DISC E 1 MTUWTHF 10 [illegible] D K H [illegible]

B ED 112 INTERMEDIATE SHORTHAND.
PREREQUISITE--B.ED. 111 OR EQUIVALENT.
3 HOURS
01121 LAB-DISC C 11 MTUWTHF [illegible]

COURSES FOR ADVANCED UNDERGRADUATES

NOTE--COMMERCE UNDERGRADUATE MAY RECEIVE CREDIT IN B.ED. 203 AND 213 IF REGISTERED IN THE CURRICULUM IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING. STUDENTS NOT MAJORING IN SECRETARIAL TRAINING OR COMMERCIAL TEACHING SHOULD CHECK WITH THEIR COLLEGE OFFICE FOR THE CREDIT ALLOWED FOR THESE COURSES.

B ED 203 ADVANCED TYPEWRITING.
PREREQUISITE--B. ED. 102 OR EQUIVALENT.
2 HOURS
01122 LAB-DISC B 9 MTUWTHF 3 [illegible]

B ED 213 ADVANCED SHORTHAND.
PREREQUISITE--B. ED. 112 OR EQUIVALENT.
3 HOURS
01123 LAB-DISC F 2 MTUWTHF 1[illegible] [illegible]

B ED 222 ADVANCED DICTATION AND REPORTING.
PREREQUISITE--B. ED. 213.
3 HOURS

01124	LAB-DISC	C	10	MTUWTHF	10	D K H		REED

B ED 233 EXECUTIVE SECRETARIAL PRACTICE.
PREREQUISITE--B. ED. 213.
2 HOURS

01125	QUIZ	C	11	W F	3	D K H		MELSON
01125	LAB	C	11-1	M	3	D K H		MELSON

B ED 241 RECORDS MANAGEMENT.
2 HOURS

01126	LAB-DISC	E	1	TU TH	3	D K H		REED

B ED 291 HONORS.
2 TO 4 HOURS

01127	CONF	EA	ARR			D K H		STAFF

B ED 292 HONORS.
2 TO 4 HOURS

01128	CONF	EA	ARR			D K H		STAFF

COURSES FOR GRADUATES

B ED 499 SPECIAL TOPICS.
*CREDIT CANNOT BE APPLIED TO A DEGREE IF A THESIS IS SUBMITTED.
*1/2 OR 1 UNIT

01129	CONF		ARR			D K H		STAFF

B ED 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN BUSINESS EDUCATION.
1/2 TO 2 UNITS

01130	CONF		ARR			D K H		STAFF

BUSINESS LAW

DEPARTMENT OFFICE 3178 D K H

COURSES FOR UNDERGRADUATES

B LAW 100 BASIC PRINCIPLES OF BUSINESS LAW.
PREREQUISITE--ACCY. 105, ECON. 102, FORTY-FIVE CREDIT HOURS.
*CREDIT IS NOT GIVEN FOR B. LAW 201 OR 261 IN ADDITION TO B. LAW 100.
*3 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

01131	LECT-DISC	A	8	M W F	307	D K H		
01132	LECT-DISC	J	8	TU TH S	307	D K H		
01133	LECT-DISC	B	9	M W F	307	D K H		
01134	LECT-DISC	K	9	TU TH S	307	D K H		
01135	LECT-DISC	C	10	M W F	307	D K H		
01139	LECT-DISC	*&L	11-1120	TU TH	236	COM W		CORLEY
01136	LECT-DISC	E	1	M W F	240	COM W		
01137	LECT-DISC	F1	2	M W F	240	COM W		
01138	LECT-DISC	F2	2	M W F	21	D K H		

COURSES FOR ADVANCED UNDERGRADUATES

B LAW 261 SUMMARY OF BUSINESS LAW.
FOR NON-COMMERCE STUDENTS WHO HAVE AT LEAST JUNIOR STANDING.
*CREDIT IS NOT GIVEN FOR B. LAW. 261 IN ADDITION TO B. LAW. 100 OR 201.
*3 HOURS

01140	LECT-DISC	B	9	M W F	240	COM W		
01141	LECT-DISC	C	10	M W F	219	D K H		

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

B LAW 301 THE LAW OF SECURITY TRANSACTIONS AND BANKING.
PREREQUISITE--SENIOR STANDING, B. LAW. 100, OR CREDIT OR REGISTRATION IN B. LAW. 202.
3 HOURS, OR 3/4 OR 1 UNIT

01142	LECT-DISC	L	10	TU TH S	307	D K H		
01143	LECT-DISC	M	11	TU TH S	307	D K H		
01144	LECT-DISC	E	1	M W F	307	D K H		
01145	LECT-DISC	F	2	M W F	307	D K H		
01146	LECT-DISC	G	3	M W F	307	D K H		

B LAW 302 WILLS, ESTATES, AND TRUSTS.
PREREQUISITE--SENIOR STANDING, B. LAW. 100, OR CREDIT OR REGISTRATION IN B. LAW. 202.
3 HOURS, OR 3/4 OR 1 UNIT

01147	LECT-DISC	A	-	[illegible]	235	COM A		

CERAMIC ENGINEERING

DEPARTMENT OFFICE 203 CER

COURSES FOR UNDERGRADUATES

CER E 102 CERAMIC PROCESSES AND EQUIPMENT.
PREREQUISITE--9 PHYSICS STANDING.
FIELD TRIP.
3 HOURS

01148	LECT		9	TU TH	218	CER		COOK
01149	LAB	A	2-5	TU	113	CER		
01150	LAB	B	2-5	TH	113	CER		

COURSES FOR ADVANCED UNDERGRADUATES

CER E 204 KILNS, FURNACES, AND FIRING OPERATIONS.
PREREQUISITE--JUNIOR STANDING IN CERAMIC ENGINEERING.
3 HOURS

01151	LECT		8	M W F	218	CER		NELSON

CER E 206 CERAMIC TECHNOLOGY.
PREREQUISITE--JUNIOR STANDING.
5 HOURS

01152	LECT		9	M W F	214	CER		BERGERON
01153	LAB	A	2-5	W F	113	CER		
01154	LAB	B	2-5	TU TH	113	CER		

CER E 214 ELEMENTARY GLASS TECHNOLOGY.
PREREQUISITE--JUNIOR STANDING IN CERAMIC ENGINEERING, CHEMISTRY, OR PHYSICS.
3 HOURS

01155	LECT		1	TU TH	218	CER		TOOLEY
01156	LAB	A	2-5	M	207	CER		
01157	LAB	B	2-5	W	207	CER		

CER E 221 PYROMETRY.
PREREQUISITE--JUNIOR STANDING, SOPHOMORE PHYSICS.
2 HOURS

01158	LECT		11	TH	218	CER		ALLEN
01159	LAB	A	2-5	TU	317	CER		
01160	LAB	B	2-5	TH	317	CER		
01161	LAB	C	9-12	S	317	CER		

CER E 272 CERAMIC ENGINEERING DESIGN.
PREREQUISITE--T A M 221, CER. E. 203 AND CREDIT OR REGISTRATION IN 271, 204.
3 HOURS

01162	LECT		2	W	218	CER		NELSON
01162	LAB		3-6	W	321	CER		
			2-5	F	321	CER		

CER E 299 THESIS.
1 TO 3 HOURS

01163	CONF	&	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CER E 310 REFRACTORY TECHNOLOGY.
PREREQUISITE--SENIOR STANDING IN ENGINEERING.
3 HOURS, OR 3/4 OR 1 UNIT

01164	LECT		9	M W F	218	CER		ALLEN

CER E 320 ADVANCED PORCELAIN ENAMELS.
PREREQUISITE--CER. E. 222 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01165	LECT		11	W	218	CER		COOK
01165	LAB		2-5	M	102	CER		

CER E 331 CERAMIC MICROSCOPY.
PREREQUISITE--CER. E. 205 AND 206 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01166	LECT		2	TU	322	CER		ALLEN
01167	LAB	A	3-6	TU	332	CER		
01168	LAB	B	9-11	TH	322	CER		

CER E 340 ELECTRICAL CERAMICS.
PREREQUISITE--CER. E. 209 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01169	LECT		11	M	218	CER		COOK
01170	LAB	A	9-12	TU	114	CER		COOK
01171	LAB	B	2-5	TH	114	CER		

COURSES FOR GRADUATES

CER E 402 CERAMICS.
PREREQUISITE--COURSES IN PHYSICS AND CHEMISTRY.
1 OR 2 UNITS

07063	LECT		10	M W F	214	CER		

CER E 406 GLASS TECHNOLOGY.
PREREQUISITE--CER. E. 405 OR CONSENT OF INSTRUCTOR.
3/4 UNIT

01172	LECT		9	TU TH	214	CER		TOOLEY

CER E 407 PORCELAIN ENAMELS.
PREREQUISITE--CER. E. 222 AND 320, OR THEIR EQUIVALENT.
1 OR 1 1/2 UNITS

01173	LECT		ARR					

CER E 412 STRUCTURAL PHYSICAL CERAMICS.
3/4 UNIT

01174	LECT		ARR					FRIEDBERG

CER E 422 HIGH TEMPERATURE TECHNOLOGY LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN CER E 421 OR CONSENT OF INSTRUCTOR.
1/2 UNIT
01175 LAB 1-5 W 318 CER ALLEN

CER E 495 MATERIALS AND SPECIAL PROBLEMS.
PREREQUISITE--GRADUATE STANDING IN CERAMIC ENGINEERING.
0 TO 2 UNITS
01176 LAB-DISC ARR STAFF

CER E 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN CERAMIC ENGINEERING.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01177 CONF ARR STAFF

CHEMISTRY AND CHEMICAL ENGINEERING

DEPARTMENT OFFICE 108 N L

MAJOR--NOT LESS THAN TWENTY HOURS IN CHEMISTRY, EXCLUDING CHEM. 101, 102, 104, 105, 107, 108, 109, AND 111. ONE SEMESTER OF BASIC WORK IN EACH OF THE FOLLOWING AREAS MUST BE INCLUDED--QUANTITATIVE ANALYSIS, ORGANIC, AND PHYSICAL. IN ADDITION, THERE MUST BE INCLUDED TWO APPROVED 300 LEVEL COURSES, ONE IN EACH OF TWO AREAS OF CHEMISTRY. THESE TWO COURSES MUST HAVE THE APPROVAL OF THE DEPARTMENTAL ADVISER. IT IS VERY DESIRABLE THAT THE STUDENT PLAN HIS COURSE WORK AS EARLY AS POSSIBLE IN CONSULTATION WITH HIS ADVISOR.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--BOTANY, CERAMIC ENGINEERING, ENTOMOLOGY, GEOLOGY, MATHEMATICS, MICROBIOLOGY, PHILOSOPHY, PHYSICS, PHYSIOLOGY, PSYCHOLOGY, AND ZOOLOGY. WITH THE WRITTEN APPROVAL OF THE DEPARTMENTAL ADVISER, OTHER SUBJECTS MAY BE SUBSTITUTED.

DEPARTMENTAL DISTINCTION--STUDENTS IN CHEMISTRY REGISTERED IN CHEM. 290--THESIS--OR STUDENTS IN CHEMICAL ENGINEERING REGISTERED IN CH. E. 290--THESIS--OR 379--PROJECTS--OR 381--PLANT DESIGN--BECOME CANDIDATES FOR DEPARTMENTAL DISTINCTION. ALL STUDENTS ARE ELIGIBLE FOR COLLEGE HONORS WHO HAVE A 4.0 AVERAGE OR BETTER. THE LEVEL OF DISTINCTION TO BE RECOMMENDED IS DETERMINED BY THE QUALITY OF THE SPECIAL WORK DONE IN ADDITION TO THE REQUIREMENT THAT THE OVER-ALL GRADE-POINT AVERAGES, EXCLUSIVE OF MILITARY TRAINING AND PHYSICAL EDUCATION, OF A 4.0, 4.25, AND 4.5 ARE REQUIRED FOR THE CITATIONS OF DISTINCTION, HIGH DISTINCTION, AND HIGHEST DISTINCTION, RESPECTIVELY RECOMMENDATION IS MADE TO THE DEAN OF THE COLLEGE BY THE HEAD OF THE DEPARTMENT.

SEQUENCE OF COURSES--STUDENTS IN THE CURRICULUM IN CHEMISTRY, MAJORS IN CHEMISTRY, AND ALL OTHERS WHO DESIRE A THOROUGH TRAINING IN THE FUNDAMENTALS OF CHEMISTRY AND THEIR APPLICATIONS TO MODERN LIFE SHOULD SELECT COURSES FROM THE FOLLOWING, USUALLY IN THE SEQUENCE GIVEN--CHEM. 107, 108, 234, 336, 342, 343, 344, 345, 321, 315, AND COURSES IN BIOCHEMISTRY, CHEMICAL ENGINEERING, ANALYTICAL, INORGANIC, ORGANIC, AND PHYSICAL CHEMISTRY. STUDENTS WHO DO NOT MEET THE REQUIREMENTS OF PREVIOUS HIGH SCHOOL CHEMISTRY AND THE THOROUGH MATHEMATICS BACKGROUND NECESSARY FOR REGISTRATION IN CHEM. 107, MAY REGISTER IN CHEM. 101 OR 102 BEFORE TAKING THE SEQUENCE CHEM. 107 AND 108. STUDENTS IN THE COLLEGE OF ENGINEERING--EXCEPT CERAMISTS, CERAMIC ENGINEERS, AND THOSE WHO WISH TO TAKE CHEM. 342--SHOULD REGISTER IN CHEM. 101 OR 102, 104, 123, OR IN 109 AND 123.

STUDENTS WHO WISH TO SATISFY A LIMITED CHEMISTRY REQUIREMENT MAY REGISTER FOR THE SEQUENCE CHEM. 101 OR 102, 105, 122, 132, OR 133. STUDENTS WITH EXCEPTIONALLY GOOD RECORDS MAY TAKE 109 INSTEAD OF 102 AND 105.

BIOCHEMISTRY--STUDENTS WHO WISH TO SPECIALIZE IN BIOCHEMISTRY ARE RESTRICTIONS--STUDENTS IN THE CURRICULA OF CHEMISTRY OR CHEMICAL ENGINEERING MUST HAVE AT LEAST A 3.5 GENERAL AVERAGE, EXCLUSIVE OF THE BASIC COURSES IN MILITARY TRAINING AND THE REQUIRED WORK IN PHYSICAL EDUCATION, IN ORDER TO BE ACCEPTED BY THE DEPARTMENT AS JUNIORS OR SENIORS. A TRANSFER STUDENT TO BE ACCEPTED MUST HAVE A CORRESPONDING RECORD IN THE INSTITUTION OR INSTITUTIONS FROM WHICH HE TRANSFERS AND MUST MAINTAIN A SIMILAR AVERAGE AT THE UNIVERSITY OF ILLINOIS. WITH THE EXCEPTION OF STUDENTS IN THE COLLEGE OF ENGINEERING AND THE COLLEGE OF AGRICULTURE, REGISTRATION OF STUDENTS IN CHEMISTRY COURSES EXCEPT THOSE OF FRESHMAN AND SOPHOMORE GRADE, NAMELY, CHEM. 101, 102, 104, 105, 107, 108, 109, 111, 122, 123, 132, 133, NORMALLY IS RESTRICTED TO STUDENTS HAVING A 3.5 GENERAL AVERAGE, EXCLUSIVE OF THE BASIC COURSES IN MILITARY TRAINING AND THE REQUIRED WORK IN PHYSICAL EDUCATION, OR AN AVERAGE OF AT LEAST 3.5 IN HIS CHEMISTRY COURSES. ANY JUNIOR OR SENIOR WHO CANNOT MEET EITHER OF THESE REQUIREMENTS MUST PETITION FOR ADMITTANCE AS A MAJOR OR MINOR IN CHEMISTRY. DIRECTED TO THE CHEMISTRY CURRICULUM OR TO A STRONG CHEMISTRY MAJOR PROGRAM. SUCH STUDENTS SHOULD PLAN THEIR PROGRAMS SO AS TO INCLUDE, IN ADDITION TO CHEMISTRY AND BIOCHEMISTRY, BASIC COURSES IN MATHEMATICS, THROUGH CALCULUS, AND PHYSICS, THROUGH PHYSICS 108, AND A YEAR OF ADVANCED UNDERGRADUATE BIOLOGY. STUDENTS IN RELATED FIELDS WISHING TO TAKE UNDERGRADUATE COURSES IN BIOCHEMISTRY ARE URGED TO PLAN THEIR PROGRAMS SO AS TO PROVIDE AN EQUIVALENT BACKGROUND. STUDENTS ARE ENCOURAGED TO DISCUSS THEIR PROGRAMS WITH THE STAFF OF THE DIVISION OF BIOCHEMISTRY OF THE DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING.

CHEMISTRY

COURSES FOR UNDERGRADUATES

CHEM 101 GENERAL CHEMISTRY.

PREREQUISITE--ONE UNIT OF HIGH SCHOOL PHYSICS, OR TWO AND ONE-HALF UNITS OF HIGH SCHOOL MATHEMATICS, OR CREDIT IN MATH. 111 OR 112.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*4 HOURS

01178	LECT	A	9	TU TH	116	E	C
01179	QUIZ	1A	8	TU TH	164	N	L
01179	LAB	1A	8-10	M W	101	C	A
01180	QUIZ	1B	8	TU TH	300	N	L
01180	LAB	1B	8-10	M W	101	C	A
01181	QUIZ	2A	10	TU TH	300	N	L
01181	LAB	2A	10-12	M W	101	C	A
01182	QUIZ	2B	10	TU TH	193	E	C
01182	LAB	2B	10-12	M W	101	C	A
01183	QUIZ	4A	1	TU TH	164	N	L
01183	LAB	4A	1-3	M W	101	C	A
01184	QUIZ	4B	1	TU TH	201	N	L
01184	LAB	4B	1-3	M W	101	C	A
01185	QUIZ	6	2	M W	195	N	L
01185	LAB	6	3-5	M W	1	C	A
PRIMARILY FOR STUDENTS [illegible] THE [illegible] OF ENGINEERING-							
01186	QUIZ	82	1	W F	111	N	L
01186	LAB	82	8-10	W F	1	C	A
01187	QUIZ	83	11	M W	210	C	A
01187	LAB	83	8-10	M W	101	C	A

CHEM 102 GENERAL CHEMISTRY.

PREREQUISITE--ONE UNIT OF HIGH SCHOOL CHEMISTRY OR EQUIVALENT, 2 1/2 UNITS OF HIGH SCHOOL MATHEMATICS OR CREDIT IN MATH. 111 OR 112.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE 2 HOURS CREDIT.

*3 HOURS

01188	LECT		10	TU TH	100	N	L
01189	QUIZ	23	10	W F	164	N	L
01189	LAB	23	1-3	TU	1	C	A
01190	QUIZ	24	1	W F	204A	H	H
01190	LAB	24	1-3	M	101	C	A
01191	QUIZ	26	1	W F	195	N	L
01191	LAB	26	3-5	W	1	C	A
01192	QUIZ	27	1	W F	161	N	L
01192	LAB	27	1-3	TH	101	C	A
01193	QUIZ	28	2	W F	301	N	L
01193	LAB	28	1-3	TH	1	C	A
01194	QUIZ	29	3	M W	161	N	L
01194	LAB	29	3-5	F	1	C	A

CHEM PRIMARILY FOR STUDENTS IN THE COLLEGE OF ENGINEERING-

01195	QUIZ	32	8	TU TH	111	N	L
01195	LAB	32	1-3	TU	101	C	A
01196	QUIZ	33	1	W F	201	N	L
01196	LAB	33	1-3	M	1	C	A
01197	QUIZ	37A	2	W F	103	N	L
01197	LAB	37A	3-5	F	1	C	A
01198	QUIZ	37B	2	W F	204	N	L
01198	LAB	37B	3-5	F	1	C	A

CHEM 104 CHEMISTRY OF THE METALLIC ELEMENTS.

PREREQUISITE--CHEM. 101, 102, ENROLLMENT IN ENGINEERING CURRICULA.

*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN CHEM. 105, 108, OR 109.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE 3 HOURS CREDIT.

*4 HOURS

01199	LECT	G	8	M W	100	N	L
01200	LECT	H	11	M W	100	N	L
01201	LECT	I	2	M W	100	N	L
01202	QUIZ	90A	9	TU TH	195	N	L
01202	LAB	90A	10-12	TU TH	101	C	A
01203	QUIZ	90B	9	TU TH	162	N	L
01203	LAB	90B	10-12	TU TH	101	C	A
01204	QUIZ	90C	9	TU TH	201	N	L
01204	LAB	90C	10-12	TU TH	101	C	A
01205	QUIZ	90D	9	TU TH	164	N	L
01205	LAB	90D	10-12	TU TH	101	C	A
01206	QUIZ	91A	10	M W	162	N	L
01206	LAB	91A	1-3	M F	101	C	A
01207	QUIZ	91B	10	M W	199	E	C
01207	LAB	91B	1-3	M F	101	C	A
01208	QUIZ	92A	10	TU TH	303	N	L
01208	LAB	92A	1-3	M F	1	C	A
01209	QUIZ	92B	10	TU TH	201	N	L
01209	LAB	92B	1-3	M F	1	C	A
01210	QUIZ	93A	11	TU TH	162	N	L
01210	LAB	93A	8-10	TU TH	1	C	A
01211	QUIZ	93B	11	TU TH	201	N	L
01211	LAB	93B	8-10	TU TH	101	C	A
01212	QUIZ	93C	11	TU TH	101	E	C
01212	LAB	93C	8-10	TU TH	101	C	A
01213	QUIZ	93D	11	TU TH	195	N	L
01213	LAB	93D	8-10	TU TH	101	C	A
01214	QUIZ	94A	2	TU TH	303	N	L
01214	LAB	94A	8-10	M W	1	C	A
01215	QUIZ	94B	2	TU TH	162	N	L
01215	LAB	94B	8-10	M W	1	C	A
01216	QUIZ	95A	8	TU TH	195	N	L
01216	LAB	95A	1-3	TU TH	101	C	A
01217	QUIZ	95B	8	TU TH	199	E	C
01217	LAB	95B	1-3	TU TH	101	C	A
01218	QUIZ	96A	3	TU TH	195	N	L
01218	LAB	96A	10-12	M F	1	C	A
01219	QUIZ	96B	3	TU TH	111	N	L
01219	LAB	96B	10-12	M F	1	C	A
01220	QUIZ	96C	3	TU TH	103	N	L
01220	LAB	96C	10-12	M F	1	C	A
01221	QUIZ	97A	8	M W	164	N	L
01221	LAB	97A	3-5	M F	101	C	A

CHEM 104 CONTINUED

01222	QUIZ	97B	8	M W	162	N	L
01222	LAB	97B	3-5	M F	101	C	A
01223	QUIZ	98A	11	TU TH	164	N	L
01223	LAB	98A	1-3	TU TH	201	C	A
01224	QUIZ	98B	11	TU TH	161	N	L
01224	LAB	98B	1-3	TU TH	201	C	A
01225	QUIZ	99	2	M W	111	N	L
01225	LAB	99	8-10	TU TH	201	C	A
01226	QUIZ	100	2	TU TH	103	N	L
01226	LAB	100	3-5	TU TH	201	C	A
01227	QUIZ	101	2	TU TH	201	N	L
01227	LAB	101	3-5	TU TH	101	C	A
01228	QUIZ	102	2	TU TH	161	N	L
01228	LAB	102	3-5	TU TH	101	C	A
01229	QUIZ	103	2	TU TH	111	N	L
01229	LAB	103	3-5	TU TH	101	C	A

INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS.
FOR STUDENTS NOT ELIGIBLE FOR CHEM. 104.
PREREQUISITE--CHEM. 101 OR 102, OR 111.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN CHEM. 104, 108, OR 109.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE 3 HOURS CREDIT.
*5 HOURS

01230	LECT	K	5	TU TH	100	N	L
01231	LECT	L	11	TU TH	100	N	L
01232	QUIZ	51A	3	TU TH	162	N	L
01232	LAB	51A	3-5	M W F	201	C	A
01233	QUIZ	51B	3	TU TH	201	N	L
01233	LAB	51B	3-5	M W F	201	C	A
[illegible]	QUIZ	51C	3	TU TH	161	N	L
01234	LAB	51C	3-5	M W F	201	C	A
01235	QUIZ	51D	3	TU TH	164	N	L
01235	LAB	51D	3-5	M W F	201	C	A
[illegible]	QUIZ	52	4	TU TH	193	E	C
01236	LAB	52	3-5	TU TH	201	C	A
		52	8-10	S	201	C	A
01237	QUIZ	53A	10	TU TH	164	N	L
01237	LAB	53A	10-12	M W F	201	C	A
01238	QUIZ	53B	10	TU TH	162	N	L
01238	LAB	53B	10-12	M W F	201	C	A
01239	QUIZ	53C	10	TU TH	103	N	L
01239	LAB	53C	10-12	M W F	201	C	A
01240	QUIZ	53D	10	TU TH	161	N	L
01240	LAB	53D	10-12	M W F	201	C	A
01241	QUIZ	55A	11	M W	164	N	L
01241	LAB	55A	1-3	M W F	201	C	A
01242	QUIZ	55B	11	M W	103	N	L
01242	LAB	55B	1-3	M W F	201	C	A
01243	QUIZ	55C	11	M W	111	N	L
01243	LAB	55C	1-3	M W F	201	C	A
01244	QUIZ	56A	8	TU TH	162	N	L
01244	LAB	56A	8-10	M W F	201	C	A
01245	QUIZ	56B	8	TU TH	201	N	L
01245	LAB	56B	8-10	M W F	201	C	A
01246	QUIZ	57A	8	TU TH	103	N	L
01246	LAB	57A	10-12	TU TH S	201	C	A
01247	QUIZ	57B	8	TU TH	103	N	L
01247	LAB	57B	10-12	TU TH S	201	C	A
01248	QUIZ	58A	10	TU TH	301	N	L
01248	LAB	58A	8-10	M W F	201	C	A
01249	QUIZ	58B	10	TU TH	195	N	L
01249	LAB	58B	8-10	M W F	201	C	A

[illegible] CHEMISTRY.
PREREQUISITE--ONE YEAR OF HIGH SCHOOL CHEMISTRY WITH AT LEAST A B AVERAGE GRADE, CREDIT OR REGISTRATION IN MATH. 122 OR 123, ENROLLMENT IN CHEMISTRY, CHEMICAL ENGINEERING OR PHYSICAL SCIENCES CURRICULA.
*STUDENTS WITH CREDIT IN CHEM. 101 OR 102 RECEIVE ONLY 2 HOURS CREDIT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*5 HOURS

01250	LECT		10	M W	217	N	L
01251	QUIZ	71A	2	TU TH	115	E	C
		71A	10	F	162	N	L
01251	LAB	71A	10-12	TU TH	310	C	A
01252	QUIZ	71B	2	TU TH	199	E	C
		71B	10	F	199	E	C
01252	LAB	71B	10-12	TU TH	310	C	A
01253	QUIZ	72	8	M W F	111	N	L
01253	LAB	72	8-10	TU TH	310	C	A

CHEM 108 GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS.
PREREQUISITE--CHEM. 107, ENROLLMENT IN CHEMISTRY, CHEMICAL ENGINEERING OR PHYSICAL SCIENCES CURRICULA.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN CHEM. 104, 105, OR 109.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*5 HOURS
SECTION &1A AND &2A RESTRICTED TO DESIGNATED HONOR STUDENTS.

01254	LECT		9	TU TH	112	C	A	
01259	QUIZ	*&1A	2	TU TH	217	N	L	
01259	LAB	*&1A	2-5	M W	310	C	A	
01255	QUIZ	41B	2	TU TH	101	E	C	
01255	LAB	41B	2-5	M W	310	C	A	
01260	QUIZ	*&2A	10	TU TH	199	E	C	
01260	LAB	*&2A	9-12	M W	310	C	A	
01256	QUIZ	42B	10	TU TH	204N	H	H	
01256	LAB	42B	9-12	M W	310	C	A	
01257	QUIZ	43A	1	TU TH	161	N	L	
01257	LAB	43A	2-5	TU F	310	C	A	
01258	QUIZ	43B	1	TU TH	162	N	L	
01258	LAB	43B	2-5	TU F	310	C	A	

CHEM 111 GENERAL CHEMISTRY.
PREREQUISITE--TWO AND ONE-HALF UNITS OF HIGH SCHOOL MATHEMATICS, OR CREDIT IN MATH. 111 OR 112 OR ONE UNIT OF HIGH SCHOOL PHYSICS, OR ONE UNIT OF HIGH SCHOOL CHEMISTRY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*5 HOURS

01261	LECT		10	TU TH	116	E	C	
01262	QUIZ	11A	10	M W F	111	N	L	
01262	LAB	11A	8-10	TU TH	1	C	A	
01263	QUIZ	11B	10	M W F	195	N	L	
01263	LAB	11B	8-10	TU TH	1	C	A	
01264	QUIZ	13A	2	M W F	161	N	L	
01264	LAB	13A	1-3	TU TH	1	C	A	
01265	QUIZ	13B	2	M W F	201	N	L	
01265	LAB	13B	1-3	TU TH	1	C	A	
01266	QUIZ	14	2	M W F	162	N	L	
01266	LAB	14	3-5	M W	1	C	A	

CHEM 122 ELEMENTARY QUANTITATIVE ANALYSIS.
FOR ALL STUDENTS IN HOME ECONOMICS AND PREMEDICAL COURSES AND ALL OTHERS WHO HAVE NOT FOLLOWED THE SEQUENCE CHEM. 101 OR 102, 107 AND 108.
PREREQUISITE--CHEM. 104, 105, OR 109.
5 HOURS

01267	LECT		11	M W	112	C	A		BROWNLEE
01268	QUIZ	A1	11	F	112	C	A		
01268	LAB	A1	1-530	M W	301	C	A		
01269	QUIZ	A2	11	F	111	N	L		
01269	LAB	A2	1-530	M W	301	C	A		
01270	QUIZ	B1	11	F	115	E	C		
01270	LAB	B1	1-530	TU TH	301	C	A		
01271	QUIZ	B2	11	F	204	N	L		
01271	LAB	B2	1-530	TU TH	301	C	A		
01272	QUIZ	B3	11	F	164	N	L		
01272	LAB	B3	1-530	TU TH	301	C	A		
01273	QUIZ	C1	11	F	103	N	L		
01273	LAB	C1	8-1230	TU TH	301	C	A		
01274	QUIZ	C2	11	F	210	C	A		
01274	LAB	C2	8-1230	TU TH	301	C	A		

CHEM 123 QUANTITATIVE ANALYSIS FOR ENGINEERS.
PREREQUISITE--CHEM. 104, 105, OR 109.
3 HOURS

01275	LECT		11	M W	112	C	A		BROWNLEE
01275	LAB		1-530	W	301	C	A		

CHEM 132 ELEMENTARY ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 101, 102, 109, OR EQUIVALENT.
3 HOURS
*EACH QUIZ LIMITED TO 21 STUDENTS.

01276	LECT		8		TU TH		100	N	L	RINEHART
01289	QUIZ	*A1	2	M			103	N	L	
01277	LAB	A1	3-6	M			467	N	L	
01290	QUIZ	*A2	2	M			204	N	L	
01278	LAB	A2	3-6	M			467	N	L	
01291	QUIZ	*A3	2	M			301	N	L	
01279	LAB	A3	3-6	M			467	N	L	
01292	QUIZ	*B1	2		TU		204	N	L	
01280	LAB	B1	3-6		TU		467	N	L	
01293	QUIZ	*B2	2		TU		301	N	L	
01281	LAB	B2	3-6		TU		467	N	L	
01294	QUIZ	*B3	2		TU		164	N	L	
01282	LAB	B3	3-6		TU		467	N	L	
01295	QUIZ	*C1	3			F	217	N	L	
01283	LAB	C1	12-3			F	467	N	L	
01296	QUIZ	*C2	3			F	162	N	L	
01284	LAB	C2	12-3			F	467	N	L	
01297	QUIZ	*C3	3			F	145	N	L	
01285	LAB	C3	12-3			F	467	N	L	
01298	QUIZ	*D1	8			S	303	N	L	
01286	LAB	D1	9-12			S	467	N	L	
01299	QUIZ	*D2	8			S	300	N	L	
01287	LAB	D2	9-12			S	467	N	L	
01300	QUIZ	*D3	8			S	201	N	L	
01288	LAB	D3	9-12			S	467	N	L	

CHEM 133 ELEMENTARY ORGANIC CHEMISTRY.
FOR STUDENTS IN AGRICULTURAL SCIENCE, DAIRY TECHNOLOGY, FOOD TECHNOLOGY, NUTRITION, DIETETICS, AND PREMEDICAL, PREDENTAL AND PREVETERINARY COURSES. PREREQUISITE--CHEM. 105 OR 109.
5 HOURS
*EACH CONFERENCE AND LABORATORY LIMITED TO 63 STUDENTS.

01301	LECT		8	M	W	F	116	E	C	CURTIN
01302	CONF	*A	8		TU		161	N	L	
01302	LAB	*A	9-11		TU		467	N	L	
		*A	8-11			TH	467	N	L	
01303	CONF	*B	3		TU		217	N	L	
01303	LAB	*B	1-3		TU		467	N	L	
		*B	1-4			TH	467	N	L	
01304	CONF	*C	3	M			217	N	L	
01304	LAB	*C	1-3	M			467	N	L	
		*C	1-4		W		467	N	L	

COURSES FOR ADVANCED UNDERGRADUATES

CHEM 234 ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 108 OR 122.
5 HOURS
*A SECTIONS LIMITED TO 84 STUDENTS.
*B SECTIONS LIMITED TO 76 STUDENTS.

01305	LECT		9	M	W	F	217	N	L	LEONARD AND
01306	CONF	A	1		TU		112	C	A	MCFARLAND
01306	LAB	A	2-4		TU		250	N	L	
		A	1-4			TH	250	N	L	
01307	CONF	B	1	M			112	C	A	
01307	LAB	B	2-4	M			250	N	L	
		B	1-4		W		250	N	L	

CHEM 246 PHYSICAL CHEMISTRY FOR ENGINEERS.
PREREQUISITE--CHEM. 245.
3 HOURS

01308	LECT		10	M	W	F	115	E	C

CHEM 290 THESIS.
LIMITED IN GENERAL TO SENIORS IN THE CHEMISTRY CURRICULUM
PREREQUISITE--MAJORS IN CHEMISTRY IN THE GENERAL CURRICULUM MAY REGISTER IF THEY HAVE COMPLETED A MINIMUM OF TWENTY-THREE HOURS OF CHEMISTRY, WHICH MUST INCLUDE AT LEAST FIVE HOURS FROM THE COURSES FOR ADVANCED UNDERGRADUATES. OTHER STUDENTS MUST HAVE THE CONSENT OF THE HEAD OF THE DEPARTMENT. EACH STUDENT WHO DESIRES TO DO RESEARCH MUST RECEIVE SPECIAL WRITTEN PERMISSION FROM THE INSTRUCTOR UNDER WHOM HE WISHES TO WORK. SUCH WRITTEN PERMISSION SHOULD BE PRESENTED, AT THE TIME OF REGISTRATION, TO THE ADVISER FOR THE CHEMISTS. EACH STUDENT TAKING THIS COURSE MUST REGISTER IN A MINIMUM OF FIVE HOURS EITHER IN ONE SEMESTER OR DIVIDED OVER TWO SEMESTERS. A MAXIMUM REGISTRATION OF TEN HOURS IN TWO SEMESTERS IS PERMITTED. IN ORDER TO RECEIVE CREDIT A THESIS MUST BE PRESENTED BY EACH STUDENT REGISTERED IN CHEM. 290.
2 TO 6 HOURS

01309	CONF	&A	ARR					CARTER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CHEM 315 INORGANIC CHEMISTRY.
PREREQUISITE--CREDIT OR REGISTRATION IN PHYSICAL CHEMISTRY.
3 HOURS, OR 3/4 UNIT

01310	LECT		8	M W F	217	N L		

CHEM 316 INORGANIC CHEMISTRY.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 315.
2 HOURS, OR 1/2 UNIT
*ADDITIONAL HOURS TO BE ARRANGED.

01311	CONF		1	TH	103	N L		
01312	LAB	A	*2-5	W	305	N L		
01313	LAB	B	*2-5	TH	305	N L		

CHEM 321 CHEMICAL AND INSTRUMENTAL ANALYSIS.
PREREQUISITE--CHEM. 336, AND 340 OR 342 WITH CONCURRENT REGISTRATION IN CHEM. 343 AND 344.
5 HOURS, OR 3/4 OR 1 1/4 UNITS

01314	LECT		9	M W F	112	C A		HARTLEY AND
01315	LAB	A	1-530	M W	315	N L		PFLUGER
01316	LAB	B	1-530	TU TH	315	N L		
01317	LAB	C	8-1230	TU TH	315	N L		

CHEM 323 ELECTRONICS FOR CHEMISTS.
PREREQUISITE--CHEM. 321 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01318	LAB	A	1-5	W	308	N L		MALMSTADT
01319	LAB	B	1-5	TH	308	N L		

CHEM 336 ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 133 WITH A GRADE OF A OR B OR CHEM. 234.
3 HOURS, OR 3/4 UNIT

01320	LECT		9	M W F	116	E C		APPLEQUIST

CHEM 337 ORGANIC CHEMISTRY.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 336.
2 HOURS, OR 1/2 UNIT

01321	CONF	A	9	TU	111	N L		MCFARLAND
01321	LAB	A	10-12	TU	250	N L		
		A	9-12	TH	250	N L		

CHEM 338 SYSTEMATIC IDENTIFICATION OF ORGANIC COMPOUNDS.
PREREQUISITE--CHEM. 336 AND 337, OR EQUIVALENT.
3 HOURS, OR 3/4 UNIT

01322	CONF		1	M W	164	N L		J C MARTIN
01322	LAB		2-4	M W	218	N L		

CHEM 339 THEORETICAL ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 338 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

01323	LECT		11	M W F	300	N L		BALDWIN

CHEM 342 PHYSICAL CHEMISTRY.
PREREQUISITE--CHEM. 108, 122, 123, OR EQUIVALENT, PHYCS. 106, 107, AND 108, OR TWO SEMESTERS OF GENERAL PHYSICS WITH CONCURRENT REGISTRATION IN THE THIRD SEMESTER, CREDIT OR REGISTRATION IN MATH 142 OR EQUIVALENT. STUDENTS SHOULD NOT REGISTER IN 342 WHO DO NOT INTEND TO ENROLL IN 344.
3 HOURS, OR 3/4 UNIT

01324	LECT		10	M W F	161	N L		

CHEM 343 PHYSICAL CHEMISTRY LABORATORY, I.
PREREQUISITE--CHEM. 342.
1 HOUR, OR 1/4 UNIT

01325	LAB	A	1-4	M	124	N L		BELFORD AND
01326	LAB	B	1-4	TU	124	N L		ASSISTANTS
01327	LAB	C	1-4	TH	124	N L		
01328	LAB	E	1-4	F	124	N L		

CHEM 344 PHYSICAL CHEMISTRY.
PREREQUISITE--CHEM. 342.
3 HOURS, OR 3/4 UNIT

01329	LECT	A	10	M W F	112	C A		
01330	LECT	B	9	TU TH S	161	N L		

CHEM 345 PHYSICAL CHEMISTRY LABORATORY, II.
PREREQUISITE--CHEM. 342, CREDIT OR REGISTRATION IN CHEM. 343 AND 344.
1 HOUR, OR 1/4 UNIT

01331	LAB	B	1-4	TU	124	N L		BELFORD AND
01332	LAB	D	1-4	TH	124	N L		ASSISTANTS
01333	LAB	E	1-4	F	124	N L		

CHEM 346 PHYSICAL CHEMISTRY OF MACROMOLECULES.
PREREQUISITE--CHEM. 344 OR 340 WITH CONSENT OF INSTRUCTOR.
*LABORATORY REQUIRED FOR 4 HOURS OR 1 UNIT.
*3 OR 4 HOURS, OR 3/4 OR 1 UNIT

01334	LECT		8	M W F	300	N L		
01334	LAB		ARK					

CHEM 349 ADVANCED PHYSICAL CHEMISTRY.
PREREQUISITE--CHEM. 348.
4 HOURS, OR 1 UNIT

01335	LECT		8	M W F	112	C A		GOODISMAN

CHEM 350 GENERAL BIOCHEMISTRY.
PREREQUISITE--QUANTITATIVE ANALYTICAL CHEMISTRY AND CHEM. 133 OR 234, OR EQUIVALENTS, REGISTRATION IN CHEM. 355.
3 HOURS, OR 3/4 UNIT

01336	LECT		9	TU TH S	217	N L		WOLD

CHEM 351 METABOLIC PROCESSES--PROBLEMS AND METHODS.
PREREQUISITE--CHEM. 350 AND 355.
3 HOURS, OR 3/4 UNIT

01337	LECT		1	TH	115	E C		
01337	LAB		1-4	TU	318	E C		
			2-5	TH	318	E C		

CHEM 355 BIOCHEMISTRY LABORATORY.
PREREQUISITE--QUANTITATIVE ANALYTICAL CHEMISTRY, CHEM. 133 OR 234, OR EQUIVALENT, REGISTRATION IN CHEM. 350.
3 HOURS, OR 3/4 UNIT

01338	QUIZ		10	S	116	E C		PRAIRIE AND
01339	LAB	A	8-11	M W	318	E C		ASSISTANTS
		A	8-10	F	318	E C		
01340	LAB	B	1-4	M W	318	E C		
		B	1-3	F	318	E C		

CHEM 396 ATOMIC PHYSICS.
SAME AS PHYCS. 381.
PREREQUISITE--GENERAL PHYSICS AND MATH. 343 OR 345.
4 HOURS, OR 1 UNIT

01341	LECT		10	M W F	151	P B		GOLDWASSER

CHEM 397 RADIOCHEMISTRY.
SAME AS NUC. E. 397.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

01342	LECT		10	TU TH S	111	N L		

CHEM 398 RADIOCHEMISTRY LABORATORY.
SAME AS NUC. E. 398.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01343	DISC		3	TH	301	N L		
01344	LAB	A	1-4	M	20	N L		
01345	LAB	B	1-4	TU	20	N L		

COURSES FOR GRADUATES

CHEM 402 INORGANIC CHEMISTRY.
1 UNIT

01346	LECT		9	M W F	111	N L		MOELLER

CHEM 404 ADVANCED INORGANIC CHEMISTRY LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN A 400 LEVEL LECTURE COURSE IN INORGANIC CHEMISTRY.
1/4 OR 3/4 UNIT
*ADDITIONAL HOURS TO BE ARRANGED.

01347	LAB	A	*2-5	W	305	N L		
01348	LAB	B	*2-5	TH	305	N L		

CHEM 405 INORGANIC CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS MAJORING IN INORGANIC CHEMISTRY.
1/4 UNIT

01349	LECT-DISC		4	TU	112	C A		BROWN

CHEM 408 THE CHEMISTRY OF COMPLEX INORGANIC COMPOUNDS.
PREREQUISITE--CHEM. 315.
1 UNIT

01350	LECT-DISC		8	M W F	161	N L		BAILAR, PIPER

CHEM 422 ELECTRICAL METHODS OF CHEMICAL ANALYSIS.
PREREQUISITE--CHEM. 344 OR EQUIVALENT.
1 UNIT

01351	LECT		11	TU TH S	303	N L		LAITINEN AND
01351	LAB		ARR					HARTLEY

CHEM 423 ELECTRON MICROSCOPY.
SAME AS BIOL. 423 AND ZOOL. 423.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENTS WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS AND MATHEMATICS.
1/4 UNIT

01352	LECT		4	M	282	BEV HALL		HALL

CHEM 425 ANALYTICAL CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS ANALYTICAL CHEMISTRY.
1/4 UNIT

01353	LECT-DISC		3	F	161	N L		MALMSTADT

CHEM 427 APPLIED X-RAYS--CRYSTALLOGRAPHY.
PREREQUISITE--TRAINING IN PHYSICS AND PHYSICAL CHEMISTRY.
3/4 UNIT

01354	LECT		10	TU TH S	115	E C		PFLUGER, STUCKY

CHEM 428 APPLIED X-RAYS.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 426 OR 427.
1/4 TO 1 UNIT

01355	LAB		ARR		41	N L		PFLUGER

CHEM 429 ELECTRON MICROSCOPY LABORATORY.
SAME AS BIOL. 429 AND ZOOL. 429.
PREREQUISITE--GRADUATE STANDING WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS AND MATHEMATICS, CREDIT OR REGISTRATION IN CHEM. 423, CONSENT OF INSTRUCTOR.
1/2 OR 3/4 UNIT

01356	LAB	ARR			97	BEV HALL	HALL AND
01356	DISC	4		W	282	BEV HALL	ASSISTANTS

CHEM 432 ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 431 OR 336.
1 UNIT

01357	LECT	11	M W F		217	N L	BEAK

CHEM 433 ORGANIC CHEMISTRY.
PREREQUISITE--CHEM. 431 AND 432, ONE OF WHICH MAY BE TAKEN CONCURRENTLY.
CHEM. 433 MAY BE REPEATED FOR CREDIT.
*3/4 UNIT REQUIRES 2 LECTURES PER WEEK.
*1/2 OR 3/4 UNIT

01358	LECT	4	TUW		217	N L	CLOSS

CHEM 434 ADVANCED ORGANIC SYNTHESIS.
1/2 OR 1 UNIT

01359	LAB	ARR			218	N L	J C MARTIN

CHEM 435 ORGANIC CHEMISTRY SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT

01360	LECT-DISC	4	M TH		217	N L	PIRKLE

CHEM 442 STATISTICAL THERMODYNAMICS.
PREREQUISITE--CHEM. 441 AND 446 OR CONSENT OF INSTRUCTOR.
1 UNIT

01361	LECT	10	M W F		300	N L	

CHEM 445 PHYSICAL CHEMISTRY SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS PHYSICAL CHEMISTRY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 OR 1/2 UNIT

01362	LECT-DISC	330	W		193	E C	

CHEM 446 QUANTUM CHEMISTRY, I.
PREREQUISITE--CHEM. 349 AND MATH. 388, OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

01363	LECT	9	M W F		101	E C	FLYGARE

CHEM 448 CHEMICAL KINETICS.
PREREQUISITE--CHEM. 441 OR CONSENT OF INSTRUCTOR.
3/4 UNIT

1364	LECT	9	M W F		161	N L	

CHEM 450 CHEMISTRY OF BIOLOGICAL PROCESSES.
PREREQUISITE--CHEM. 350 AND 355.
1 UNIT

01365	LECT	10	TU TH S		217	N L	RUTTER, WEB GUNSALUS

CHEM 452 EXPERIMENTAL TECHNIQUES IN BIOCHEMISTRY.
PREREQUISITE--CHEM. 350 AND 355.
3/4 OR 1 UNIT

01366	CONF	1	TU		115	E C	TODD AND
01366	LAB	2-5	TU		314	E C	ASSISTANTS
		1-5		TH	314	E C	

CHEM 455 BIOCHEMISTRY SEMINAR.
REQUIRED OF GRADUATE STUDENTS WHOSE MAJOR IS BIOCHEMISTRY.
PREREQUISITE--CHEM. 350 AND 355, OR EQUIVALENT.
1/2 UNIT

01367	LECT-DISC A	2		F	115	E C	GUNSALUS
01368	LECT-DISC B	4		F	116	E C	HASTINGS

CHEM 496 THE USE OF CARBON-14 IN LABELING TECHNIQUES.
SAME AS AN. NO. 496.
PREREQUISITE--CHEM. 336, 337 AND 338 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT
EACH LABORATORY LIMITED TO 4 STUDENTS.

01369	LECT		11	TU TH	217	N L	NYSTROM AND
01370	LAB	A	1-5	TU	163	D H	CONRAD
01371	LAB	B	1-5	W	163	D H	
01372	LAB	C	1-5	W	163	D H	
01373	LAB	D	1-5	TH	163	D H	

CHEM 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 2 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING FIELDS, SUBJECT TO THE APPROVAL OF ONE OF THE QUALIFIED STAFF MEMBERS-

ANALYTICAL CHEMISTRY . . . BROWNLEE, HARTLEY, JUVET, LAITINEN, MALMSTADT, PELLER

BIOCHEMISTRY . . . CARTER, CLARK, CONRAD, GONSALES, HAGER, HASTINGS, KUTTER, SPIEGELMAN, TODD WEBER, WILD.

BIOPHYSICAL CHEMISTRY . . . BLOOMFIELD, HASTINGS, VAN HOLDE, WEBER, WILD, WOODY.

INORGANIC CHEMISTRY . . . DAILAR, BROWN, DRAGO, KAY, MOELLER, PIPER, STUCKY.

ORGANIC CHEMISTRY . . . APPLEQUIST, BALDWIN, BEAK, CURTIN, LEONARD, J C MARTIN, PIRKLE, RINEHART, SMITH, SNYDER

PHYSICAL CHEMISTRY . BELFORD, BLOOMFIELD, DRICKAMER, FLYGARE, GOODISMAN, GUTOWSKY, HUMMEL, MARCUS, PAUL, SIM, VAN HOLDE, WOODY, YANKWICH
APPLIED ELECTROCHEMISTRY--ORGANIC AND INORGANIC . . . SWANN

RADIO CHEMISTRY . . . . . NYSTROM, BROWNLEE, KAY, HUMMEL
RESEARCH FOR THE PH. D. IS ALSO OFFERED IN SPECIALIZED FIELDS OTHER THAN THOSE ILLUSTRATED ABOVE. STUDENTS WHO INTEND TO MAJOR IN CHEMISTRY IN ONE OF THESE SPECIAL FIELDS SHOULD CONSULT WITH THE PROFESSOR IN CHARGE OF THE THESIS AND WITH THE HEAD OF THE DEPARTMENT OF CHEMISTRY AND CHEMICAL ENGINEERING IN REGARD TO THE PROGRAMS OF COURSES AND EXAMINATIONS.

01374	CONF		ARR				CARTER AND STAFF

CHEMICAL ENGINEERING

COURSES FOR ADVANCED UNDERGRADUATES

CH E 261 STOICHIOMETRY.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 342 OR CHEM. 245 AND 246.
3 HOURS

01375	LECT-DISC		10	TU TH S	101	E C	HUDSON

CH E 290 THESIS.
LIMITED IN GENERAL TO SENIORS IN THE CHEMICAL ENGINEERING CURRICULUM ANY OTHERS MUST HAVE THE CONSENT OF THE HEAD OF THE DEPARTMENT.
*EACH STUDENT MUST REGISTER IN A MINIMUM OF FIVE HOURS EITHER IN ONE SEMESTER OR DIVIDED OVER TWO SEMESTERS. A MAXIMUM REGISTRATION OF TEN HOURS IN TWO SEMESTERS IS PERMITTED. HOWEVER, CH. E. 379 TWO HOURS, MAY BE SUBSTITUTED FOR TWO OF THE FIVE HOURS REQUIRED IN CH. E. 290. IN ORDER TO RECEIVE CREDIT, A THESIS MUST BE PRESENTED BY EACH STUDENT REGISTERED IN CH. E. 290.
*2 TO 6 HOURS

01376	CONF		ARR				CARTER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CH E 370 CHEMICAL ENGINEERING THERMODYNAMICS.
PREREQUISITE--CH. E. 261, CHEM. 342.
3 HOURS, OR 1/2 UNIT
01378 LECT-DISC 10 M W F 110 E C QUINN

CH E 371 PRINCIPLES OF CHEMICAL ENGINEERING.
PREREQUISITE--CH. E. 370 OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT
01379 LECT-DISC 11 MTWTH 112 E C HUDSON

CH E 374 UNIT OPERATIONS LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN CH. E. 373.
3 HOURS, OR 1/2 UNIT
*TWO HOURS TO BE ARRANGED.
01378 CONF *1-3 TH 194 E C HANRATTY
01379 LAB 1-6 TU 8 E C

CH E 379 CHEMICAL ENGINEERING PROJECTS.
PREREQUISITE--SENIOR STANDING IN CHEMISTRY OR CHEMICAL ENGINEERING.
2 HOURS, OR 1/2 UNIT
01380 LAB A 1-6 M 244 E C DRICKAMER
01381 LAB B 1-6 TH 244 E C

CH E 380 HEAT, MASS, AND MOMENTUM TRANSPORT.
PREREQUISITE--MATH. 343 OR 345, CH.E. 371, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
01382 LECT 8 M W F 142 E C QUINN

CH E 381 CHEMICAL ENGINEERING PLANT DESIGN.
PREREQUISITE--CH. E. 373.
3 HOURS, OR 1/2 UNIT
REGISTRATION LIMITED TO 30 STUDENTS.
01383 LECT 4 TU TH 115 E C SCHMITZ
01383 CONF 2-5 W 115 E C

COURSES FOR GRADUATES

CH E 465 CHEMICAL ENGINEERING SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS CHEMICAL ENGINEERING.
PREREQUISITE--CH. E. 373.
1/4 UNIT
01384 CONF 4 F 193 E C WESTWATER

CH E 466 APPLIED MATHEMATICS IN CHEMICAL ENGINEERING.
PREREQUISITE--MATH. 343, 345, OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3/4 OR 1 UNIT
01385 LECT 9 TU TH 101 E C SCHMITZ

CH E 487 FLUID DYNAMICS.
PREREQUISITE--CH. E. 371, MATH. 343 OR 345, OR EQUIVALENT WITH CONSENT OF INSTRUCTOR.
1 UNIT
01386 LECT 9 M W F 115 E C HANRATTY

CH E 494 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
DRICKAMER, HANRATTY, HUDSON,
QUINN, SWANN, SCHMITZ, WESTWATER
01387 CONF ARR STAFF

CHINESE

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

COURSES FOR ADVANCED UNDERGRADUATES

CHIN 202 ELEMENTARY CHINESE, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
PREREQUISITE--CHIN. 201.
3 HOURS

01388	LECT-DISC	2	M W F	154	ADMIN	CHENG

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CHIN 304 INTERMEDIATE CHINESE, II.
PREREQUISITE--CHIN. 303 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT

01389	LECT-DISC	ARR				CHENG

CIVIL ENGINEERING

DEPARTMENT OFFICE 203 C E H

COURSES FOR UNDERGRADUATES

C E 195 INTRODUCTION TO CIVIL ENGINEERING.
PREREQUISITE--SOPHOMORE STANDING IN CIVIL ENGINEERING.
1 HOUR

01390	CONF	E1	4	M	421	C E H
01391	CONF	E2	4	M	306	C E H
01392	CONF	E3	11	TU	421	C E H
01393	CONF	E4	11	TU	324	C E H
01394	CONF	F1	4	W	421	C E H
01395	CONF	F2	4	W	423	C E H
01396	CONF	F3	11	TH	421	C E H
01397	CONF	F4	11	TH	324	C E H

COURSES FOR ADVANCED UNDERGRADUATES

C E 200 GENERAL SURVEYING.
PREREQUISITE--G E 101, MATH. 114 OR EQUIVALENT.
FOR STUDENTS IN OTHER DEPARTMENTS.
*NO CREDIT FOR CIVIL ENGINEERING STUDENTS.
*3 HOURS

01398	LAB-DISC	E	1-4	M W	421	C E H
01399	LAB-DISC	F	1-4	TU TH	102	WOODSHOP

C E 201 SURVEYING, I.
PREREQUISITE--MATH. 263.
3 HOURS

01400	LAB-DISC	E	8-11	TU TH	104	WOODSHOP
01401	LAB-DISC	F	1-4	TU TH	104	WOODSHOP
01402	LAB-DISC	G	2-5	M	324	C E H
		G	1-4	F	324	C E H
01403	LAB-DISC	H	1-4	TU TH	324	C E H

C E 202 SURVEYING, II.
PREREQUISITE--C. E. 201.
3 HOURS

01404	LAB-DISC	E	8-11	TU TH	212	WOODSHOP
01405	LAB-DISC	F	1-4	TU TH	212	WOODSHOP
01406	LAB-DISC	G	2-5	M F	212	WOODSHOP
01407	LAB-DISC	H	8-11	TU TH	324	C E H

C E 210 PROPERTIES OF SOILS.
PREREQUISITE--T A M 221, GEOL. 150, AND JUNIOR STANDING IN ENGINEERING OR ARCHITECTURE.
3 HOURS

01408	LECT-DISC	E	11	M W F	200	T L
01408	LAB	E	1-3	TH	201	T L
01409	LECT-DISC	F	9	M W F	200	T L
01409	LAB	F	10-12	TU	201	T L
01410	LECT-DISC	G	8	M W F	200	T L
01410	LAB	G	1-3	TU	201	T L
01411	LECT-DISC	H	10	M W F	200	T L
01411	LAB	H	8-10	TU	201	T L

C E 214 COMPOSITION AND PROPERTIES OF CONCRETE.
PREREQUISITE--T A M 223 OR 224 AND JUNIOR STANDING IN ENGINEERING OR ARCHITECTURE.
2 HOURS

01412	LECT-DISC	E	1	TU TH	200	T L
01412	LAB	E	2-4	TU	4	T L
01413	LECT-DISC	F	11	TU TH	200	T L
01413	LAB	F	9-11	TU	4	T L
01414	LECT-DISC	G	1	M W	200	T L
01414	LAB	G	2-4	W	4	T L
01415	LECT-DISC	H	10	TU TH	200	T L
01415	LAB	H	8-10	TH	4	T L

C E 215 ENGINEERING AND CONSTRUCTION ECONOMY.
PREREQUISITE--REGISTRATION OR CREDIT IN MATH. 145, JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

01416	LECT-DISC	E	10	M W F	324	C E H
01417	LECT-DISC	F	3	M W F	202	C E H
01418	LECT-DISC	G	930-11	TU TH	322	C E H

C E 220 PAVEMENT ANALYSIS AND DESIGN.
PREREQUISITE--C E 210 AND CREDIT OR REGISTRATION IN C E 214.
3 HOURS

01419	LECT-DISC	E	2	M W F	400	C E H
01420	LECT-DISC	F	10	M W F	421	C E H

C E 230 INTRODUCTION TO TRANSPORTATION ENGINEERING.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING, ARCHITECTURE OR CITY PLANNING, OR CONSENT OF INSTRUCTOR.
3 HOURS

01421	LECT-DISC		9	M W F	322	C E H

C E 241 WATER QUALITY AND WATER POLLUTION.
PREREQUISITE--T.A.M. 235.
3 HOURS

01422	LECT-DISC	E	1-220	TU TH	202	C E H

C E 242 SANITARY ENGINEERING PROCESSES.
PREREQUISITE--T.A.M. 235.
3 HOURS

01423	LECT-DISC	E	10	M W F	208	C E H
01424	LECT-DISC	F	8-920	TU TH	202	C E H

C E 250 HYDROLOGY.
PREREQUISITE--T.A.M. 235, MATH. 263.
3 HOURS

01425	LECT-DISC	E	9	M W F	202	C E H
01426	LECT-DISC	F	10	M W F	400	C E H

C E 251 ENGINEERING HYDRAULICS.
PREREQUISITE--T.A.M. 235.
3 HOURS

01427	LECT-DISC	E	230-4	TU TH	208	C E H

C E 261 STRUCTURAL THEORY, I.
PREREQUISITE--T.A.M. 152 AND 221.
3 HOURS

01428	LECT-DISC	E	1	M W F	305	C E H
01429	LECT-DISC	F	8	M W F	208	C E H
01430	LECT-DISC	G	8-920	TU TH	322	C E H
01431	LECT-DISC	H	930-11	TU TH	202	C E H

C E 262 STRUCTURAL THEORY, II.
PREREQUISITE--C. E. 261.
3 HOURS

01432	LECT-DISC	E	8-920	TU TH		400	C E H
01433	LECT-DISC	F	9	M W F		324	C E H
01434	LECT-DISC	G	11	M W F		202	C E H

C E 263 BEHAVIOR AND DESIGN OF METAL STRUCTURES, I.
PREREQUISITE--T.A.M. 224 AND C.E. 261, OR CONSENT OF INSTRUCTOR.
3 HOURS

01435	LECT-DISC	E1	11	M W F		400	C E H
01436	LECT-DISC	E2	11	M W F		326	C E H
01437	LECT-DISC	F	8	M W F		421	C E H
01438	LECT-DISC	G	10	M W F		305	C E H

C E 264 REINFORCED CONCRETE DESIGN, I.
PREREQUISITE--T.A.M. 224, C.E. 214, CREDIT OR REGISTRATION IN
C.E. 262.
3 HOURS
NOTE--THREE-TWO HOUR DEMONSTRATION LABORATORIES TO BE ARRANGED.

01439	LECT-DISC	E1	8	M W F		400	C E H
01440	LECT-DISC	E2	8	M W F		202	C E H
01441	LECT-DISC	F	1	M W F		400	C E H
01442	LECT-DISC	G	11	M W F		421	C E H

C E 290 CONTRACTS AND SPECIFICATIONS.
SAME AS G. E. 290.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR ARCHITECTURE.
3 HOURS

01443	LECT-DISC	E	1	M W F		202	C E H
01444	LECT-DISC	F	10	M W F		202	C E H

C E 295 PROFESSIONAL PRACTICE.
PREREQUISITE--JUNIOR STANDING.
NO CREDIT

01445	LECT	E	4	W		319	C E H

C E 297 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING.
1 TO 4 HOURS

01446	CONF	ARR		STAFF

C E 299 THESIS.
PREREQUISITE--SENIOR STANDING, CONSENT OF HEAD OF THE DEPARTMENT.
1 TO 3 HOURS

01447	CONF	ARR		STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

C E 301 ADVANCED SURVEYING.
PREREQUISITE--C.E. 202 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01448	LAB-DISC	ARR		

C E 315 CONSTRUCTION PRODUCTIVITY.
PREREQUISITE--C.E. 215, CREDIT OR REGISTRATION IN MATH. 263, OR
EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01449	LECT-DISC	E	10	M W F		322	C E H

C E 316 CONSTRUCTION PLANNING.
PREREQUISITE--C.E. 315, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01450	LECT-DISC	E	230-4	TU TH		400	C E H

C E 318 CONSTRUCTION COST ANALYSES AND ESTIMATES.
PREREQUISITE--C.E. 315, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01451	LECT-DISC	E	1-220	TU TH		400	C E H

C E 321 BITUMINOUS MATERIALS AND MIX DESIGN.
PREREQUISITE--C.E. 214, C.E. 220, OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

01452	LECT-DISC	E	2	M	W		200	T L
01452	LAB-DISC	E	1-3			F	201	T L

C E 322 DEVELOPMENT OF HIGHWAY FACILITIES.
PREREQUISITE--C.E. 220, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

01453	LECT-DISC	E	1	M	W		324	C E H
01453	LAB-DISC	E	3-5		TU	TH	309	C E H

C E 325 HIGHWAY TRAFFIC CHARACTERISTICS.
PREREQUISITE--C E 220 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01454	LECT-DISC	E	11	M	W	F	324	C E H

C E 334 AIRPORT DESIGN.
PREREQUISITE--C.E. 220 AND SENIOR STANDING IN CIVIL ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

01455	LECT-DISC	E	3	M	W	F	400	C E H

C E 336 RAILWAY LOCATION AND OPERATION.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR. FOR THOSE TAKING A MINOR IN RAILROAD OR TRANSPORTATION ENGINEERING, CREDIT OR REGISTRATION IN C. E. 230.
3 HOURS, OR 1/2 OR 1 UNIT

01456	LECT-DISC	E	1	M	W	F	322	C E H

C E 338 TERMINALS.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR. FOR THOSE TAKING A MINOR IN RAILROAD OR TRANSPORTATION ENGINEERING, CREDIT OR REGISTRATION IN C. E. 230.
3 HOURS, OR 1/2 OR 1 UNIT

01457	LECT-DISC	E	11	TU	TH		322	C E H

C E 348 AIR POLLUTION.
PREREQUISITE--G. E. 360 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01458	LECT-DISC	E	1	M	W	F	320	C E H

C E 352 WATER RESOURCES DESIGN.
PREREQUISITE--T.A.M. 235, C.E. 250.
3 HOURS, OR 3/4 UNIT

01459	LECT-DISC	E	10	M	W	F	320	C E H

C E 354 HYDRAULIC ENGINEERING LABORATORY.
PREREQUISITE--T.A.M. 235.
3 HOURS, OR 3/4 UNIT

01460	LAB	E	1-4			TH	HYD ENG LAB	

C E 361 ADVANCED STRUCTURAL ANALYSIS.
PREREQUISITE--C. E. 262 OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT

01461	LECT-DISC	E	930-11	TU	TH		320	C E H

C E 363 BEHAVIOR AND DESIGN OF METAL STRUCTURES, II.
PREREQUISITE--C. E. 263 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01462	LECT-DISC	E	8-920	TU	TH		320	C E H

C E 364 REINFORCED CONCRETE DESIGN, II.
PREREQUISITE--C. E. 264, CREDIT OR REGISTRATION IN C. E. 262.
3 HOURS, OR 3/4 OR 1 UNIT

01463	LECT-DISC	E	11	M	W	F	322	C E H

C E 366 BEHAVIOR OF REINFORCED CONCRETE MEMBERS.
PREREQUISITE--UNDERGRADUATES-SENIOR STANDING AND C.E. 264, GRAD STUDENTS-B.S.DEGREE IN C.E. OR ARCHITECTURE WITH COURSES IN STRUCTURES AND REINFORCED CONCRETE DESIGN.
4 HOURS, OR 1 UNIT

01464	LECT-DISC	E	8	M	W	F	322	C E H

C E 368 PRESTRESSED CONCRETE.
PREREQUISITE--C. E. 262, 264.
3 HOURS, OR 3/4 OR 1 UNIT

01465	LECT-DISC	E	3	M	W	F	320	C E H

C E 369 BEHAVIOR AND DESIGN OF WOOD STRUCTURES.
PREREQUISITE--C.E. 261 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01466	LECT-DISC		9	M	W	F	320	C E H

C E 380 FOUNDATION ENGINEERING.
PREREQUISITE--C E 210, SENIOR STANDING.
3 HOURS, OR 1 UNIT

01467	LECT-DISC	E	930-11	TU TH			400	C E H
01468	LECT-DISC	F	9	M	W	F	421	C E H
01469	LECT-DISC	G	2	M	W	F	322	C E H

C E 383 SOIL MECHANICS.
UNDERGRADUATE PREREQUISITE--C.E. 210, SENIOR STANDING AND CONSENT OF INSTRUCTOR. GRADUATE PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01470	LECT-DISC	E	1-220	TU TH			320	C E H

C E 384 APPLIED SOIL MECHANICS.
PREREQUISITE--C.E. 383, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

01471	LECT-DISC	E	230-4	TU TH			320	C E H
01472	LECT-DISC	F	8	M	W	F	305	C E H
01473	LECT-DISC	G	1	M	W	F	319	C E H

C E 391 NUMERICAL AND COMPUTER APPLICATIONS IN CIVIL ENGINEERING.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN CIVIL OR ARCH. ENG. OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

01474	LECT-DISC	E1	9	M	W	F	305	C E H
01475	LECT-DISC	E2	9	M	W	F	319	C E H

COURSES FOR GRADUATES

C E 402 GEODETIC ENGINEERING.
PREREQUISITE--B.S. IN CIVIL ENGINEERING.
1 UNIT

01476	LECT-DISC	E	ARR	SCHMIDT

C E 404 PHOTOGRAMMETRY.
PREREQUISITE--C.E. 302 OR CONSENT OF INSTRUCTOR.
1 UNIT

01477	LECT-DISC	E	ARR	KARARA

C E 417 DESIGN OF CONSTRUCTION AND INDUSTRIAL OPERATIONS, II.
SAME AS I. E. 417.
PREREQUISITE--C. E. OR I. E. 416, CREDIT OR REGISTRATION IN MATH. 315, OR CONSENT OF INSTRUCTOR.
1 UNIT

01478	LECT-DISC	E	1-220	TU TH			208	C E H	SHAFFER

C E 421 PAVEMENT DESIGN, II.
PREREQUISITE--C.E. 220, OR EQUIVALENT.
1 UNIT

01479	LECT-DISC	E	9	M	W	F	400	C E H	HERRIN

C E 427 GEOMETRIC HIGHWAY DESIGN.
PREREQUISITE--C.E. 325 AND 426 OR CONSENT OF INSTRUCTOR.
1 UNIT

01480	LECT-DISC	E	1	TU	421	C E H	BAERWALD
01480	LAB	E	1-4	W	309	C E H	

C E 428 TRAFFIC ENGINEERING OPERATIONS.
PREREQUISITE--C.E. 325 AND 426 OR EQUIVALENT.
1 UNIT

01481	LECT-DISC	E	2	TU	421	C E H	BAERWALD
01481	LAB	E	1-4	TH	421	C E H	

C E 436 RAILROAD LOCATION AND OPERATION.
PREREQUISITE--C.E. 336 OR CONSENT OF INSTRUCTOR.
1 UNIT

01482	LECT-DISC	E	2	TU TH	322	C E H	HAY

C E 442 THEORY OF WASTE-WATER TREATMENT.
PREREQUISITE--CHEM. 122, MCBIO 101.
1 UNIT

01483	LECT-DISC	E	10-12	TU	208	C E H	SPEECE
01483	DISC	E	10	TH	208	C E H	

C E 443 WASTE TREATMENT LABORATORY AND DESIGN.
PREREQUISITE--CREDIT OR REGISTRATION IN C.E. 442.
1 UNIT

01484	LAB	E	1-5	TU TH	SANITARY ENG LAB		SPEECE

C E 444 INDUSTRIAL WASTES.
PREREQUISITE--C.E. 442 AND C.E. 443, OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
*LABORATORY TO BE ARRANGED.

01485	LECT-DISC	E	8-10	TU TH	208	C E H	ENGELBRECHT

C E 446 DESIGN OF WATER AND WASTE TREATMENT PLANTS.
PREREQUISITE--C.E. 440, CREDIT OR REGISTRATION IN C.E. 442,
OR CONSENT OF INSTRUCTOR.
1 UNIT

01486	LECT-DISC	E	1-5	M F	309	C E H	EWING

C E 447 RADIOACTIVE WASTE DISPOSAL.
SAME AS NUC. E. 447.
PREREQUISITE--PHYCS. 282 OR CHEM. 398 OR NUC. E. 398 OR CONSENT OF
INSTRUCTOR.
1/2 OR 1 UNIT

01487	LECT-DISC		11	M W F	208	C E H	EWING
01487	LAB		1-5	W	SANITARY ENG LAB		

C E 452 WATER RESOURCES.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

01488	LECT-DISC		2	M W F	208	C E H	CHOW

C E 456 HYDRAULICS OF SURFACE DRAINAGE.
PREREQUISITE--T.A.M. 235.
1 UNIT
*ADDITIONAL HOUR TO BE ARRANGED.

01489	LECT-DISC		3	M W F	305	C E H	MC PHERSON

C E 458 OPEN CHANNEL HYDRAULICS.
PREREQUISITE--B.S. DEGREE IN C.E. OR CONSENT OF INSTRUCTOR.
1 UNIT

01490	LECT-DISC	E	9	M W F	208	C E H	CHOW

C E 460 STRUCTURAL ANALYSIS.
PREREQUISITE--B.S. DEGREE IN ENGINEERING AND UNDERGRADUATE COURSE
IN THEORY OF SIMPLE STRUCTURES.
1 UNIT

01491	LECT-DISC	E	3	M W F	208	C E H	OLIVER

C E 461 STRUCTURAL THEORY AND DESIGN.
PREREQUISITE--B.S. IN C.E., AND C.E. 361, OR C.E. 460, OR EQUIVALENT
1 UNIT

01492	LECT-DISC	E	2	M W F	319	C E H		STALLMEYER

C E 462 STRUCTURAL THEORY AND DESIGN.
PREREQUISITE--B.S. IN CIVIL ENGINEERING AND C.E. 361, OR C.E. 460, OR EQUIVALENT.
1 UNIT

01493	LECT-DISC	E	1	TU TH	322	C E H		

C E 465 STRUCTURAL DESIGN IN METALS.
PREREQUISITE--B.S. IN ENGINEERING WITH COURSES IN STRUCTURES.
1 UNIT

01494	LECT-DISC	E	1	M W F	209	C E H		GAYLORD

C E 467 BEHAVIOR OF REINFORCED CONCRETE STRUCTURES.
PREREQUISITE--C.E. 366.
1 UNIT

01495	LECT-DISC	E	10	M W F	319	C E H		SIESS

C E 468 ANALYSIS AND DESIGN OF PRESTRESSED CONCRETE STRUCTURES.
PREREQUISITE--B.S. IN CIVIL OR ARCHITECTURAL ENGINEERING WITH COURSES IN REINFORCED CONCRETE AND IN ANALYSIS OF INDETERMINATE STRUCTURES.
1 UNIT

01496	LECT-DISC	E	11	M W F	305	C E H		KHACHATURIAN

C E 471 NUMERICAL AND APPROXIMATE METHODS OF STRUCTURAL ANALYSIS.
1 TO 2 UNITS

01497	LECT-DISC	E	8	M W F	320	C E H		ROBINSON

C E 472 ADVANCED NUMERICAL METHODS IN ENGINEERING.
PREREQUISITE--C.E. 471.
1 TO 2 UNITS

01498	LECT-DISC	E	1-220	TU TH	305	C E H		
01499	LECT-DISC	F	2	M W F	305	C E H		

C E 474 BEHAVIOR OF STRUCTURES UNDER DYNAMIC LOADS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 TO 2 UNITS

01500	LECT-DISC	E	3	M W F	322	C E H		WALKER

C E 476 PLASTIC ANALYSIS AND DESIGN.
PREREQUISITE--C.E. 465 OR CONSENT OF INSTRUCTOR.
1 UNIT

01501	LECT-DISC		930-11	TU TH	305	C E H		GAYLORD

C E 478 MATRIX THEORY OF STRUCTURAL MECHANICS.
PREREQUISITE--C.E. 461 OR 471 OR CONSENT OF INSTRUCTOR.
1 UNIT

01502	LECT-DISC		8-920	TU TH	305	C E H		YANG-ANG

C E 480 EARTH PRESSURES AND RETAINING STRUCTURES.
PREREQUISITE--CREDIT OR REGISTRATION IN C. E. 384.
1 UNIT

01503	LECT-DISC		2	M W F	320	C E H		IRELAND

C E 482 MEASUREMENT OF SOIL PROPERTIES.
PREREQUISITE--C.E. 383 OR CONSENT OF INSTRUCTOR.
1 UNIT

01504	LECT-DISC	E	9	TU	200	T L		OLSON
01504	LAB	E	8-11	TH	201	T L		
		E	8-11	S	201	T L		

C E 484 FOUNDATION ENGINEERING.
PREREQUISITE--C. E. 384.
1 UNIT

01505	LECT-DISC	E	8	TU	200	T L		PECK
		E	8-10	TH	200	T L		

C E 485 SOIL ENGINEERING FOR TRANSPORTATION FACILITIES.
PREREQUISITE--C.E. 383 OR EQUIVALENT.
1 UNIT

01506	LECT-DISC	3	M W F	200	T L		THORNBURN

C E 494 MUNICIPAL ADMINISTRATION AND ENGINEERING.
PREREQUISITE--B.S. IN CIVIL ENGINEERING, OR CONSENT OF INSTRUCTOR.
1 UNIT

01507	LECT-DISC	8	M W F	324	C E H		DANNER

C E 495 CIVIL AND SANITARY ENGINEERING SEMINAR.
*COURSE MAY BE REPEATED FOR CREDIT.
*0 OR 1/4 UNIT
*SECTION G--SANITARY, *SECTION H--HIGHWAY AND TRAFFIC,
*SECTION S--STRUCTURES, *SECTION W--HYDRAULICS AND WATER RESOURCES.

01508	CONF	*G	11	TH	208	C E H	
01509	CONF	*H	4	M	423	C E H	
01510	CONF	*S	4	TH	319	C E H	
01511	CONF	*W	11	TU	202	C E H	

C E 497 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 TO 4 UNITS
*SECTION A--ANALYSIS OF AIR POLLUTANTS, SECTION D--SOIL AND ROCK DYNAMICS, SECTION R--ROCK MECHANICS, SECTION T--THIN SHELL STRUCTURES, SECTION X--EXPERIMENT DESIGN AND ANALYSIS, SECTION O--ALL OTHERS.

01512	CONF	A	ARR				HAYAKAWA
01513	CONF	C	930-11	TU TH	421	C E H	NEWMARK
01514	CONF	R	2-320	TU TH	200	T L	DEERE
01515	CONF	T	1-220	TU TH	319	C E H	SCHNOBRICH
01516	CONF	X	2	M W F	202	C E H	CHILTON
01517	CONF	O	ARR				STAFF

C E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION-M-IS FOR MASTERS DEGREE, *SECTION-D-IS FOR PH.D. DEGREE.

01518	CONF	*M	ARR				STAFF
01519	CONF	*D	ARR				STAFF

CLASSICS

DEPARTMENT OFFICE 360 L H

CLASSICAL CIVILIZATION

NOTE--THE FOLLOWING COURSES PRESUPPOSE NO KNOWLEDGE OF THE GREEK OR LATIN LANGUAGE AND ARE OPEN TO ALL STUDENTS. FOR OTHER COURSES IN THE AREA OF CLASSICAL CIVILIZATION SEE ARCH. 113, ART 311, HIST. 181, 182, 381, 382, 383, AND 384, AND PHIL. 303 AND 309.

COURSES FOR UNDERGRADUATES

CLCIV 111 MYTHOLOGY OF GREECE AND ROME.
2 HOURS

01520	LECT-DISC	A	10	TU TH	362	L H	DONOVAN
01521	LECT-DISC	B	3	TU TH	362	L H	SMITH

CLCIV 112 GREEK DRAMA IN ENGLISH TRANSLATION.
2 HOURS

01522	LECT-DISC	A	11	TU TH	362	L H	SMITH

CLCIV 150 GREEK AND ROMAN SPORTS.
2 HOURS

01523	LECT-DISC	A	11	TU TH	232	L H	KURTH

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

CLCIV 302 CLASSICAL LITERARY TRADITIONS, II.
PREREQUISITE--COMPLETION OF THE FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES, OR THE EQUIVALENT.
3 HOURS, OR 1/2 UNIT
01524 LECT-DISC A 9 M W F 362 L H ABBOTT

CLCIV 318 ELEMENTS OF TECHNICAL TERMINOLOGY.
PREREQUISITE--COMPLETION OF THE FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES, OR EQUIVALENT, OR COMPLETION OF 20 HOURS OF SCIENCE OR ARCHITECTURE.
3 HOURS, OR 1/2 UNIT
01525 LECT-DISC A 11 M W F 362 L H HELLER

CLCIV 362 THE ARCHAEOLOGY OF ITALY.
PREREQUISITE--A COURSE IN ANCIENT HISTORY, ART, OR LANGUAGE, OR CONSENT OF THE INSTRUCTOR.
3 HOURS, OR 1/2 UNIT
01526 LECT-DISC A 3 M W F 362 L H DONOVAN

COMMUNICATIONS

DEPARTMENT OFFICE 119 G H

THE GRADUATE PROGRAM LEADING TO THE DEGREE OF DOCTOR OF PHILOSOPHY IN COMMUNICATIONS IS ADMINISTERED BY AN INTERDISCIPLINARY COMMITTEE APPOINTED BY THE DEAN OF THE GRADUATE COLLEGE. STUDENTS SEEKING ADMISSION TO THIS PROGRAM SHOULD CONSULT THEODORE PETERSON, CHAIRMAN OF THE COMMITTEE.

OF THE COURSES OFFERED THIS SEMESTER, COMM. 472, 482, 490, AND 499 ARE IN THE GENERAL CATEGORY, COMM. 308, 344, 360, 372, 414, 432, 444, 462, 468, 470, 474, AND 481 ARE IN GROUP A, AND COMM. 325, 370, 420, 426, 451, AND 456 ARE IN GROUP B.

COURSES FOR ADVANCED UNDERGRADUATES

COMM 220 PROCESSES AND SYSTEMS OF COMMUNICATIONS.
SAME AS JOURN. 220.
3 HOURS
01527 LECT-DISC E 10 M W F 113 G H CAREY

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

COMM 308 THE ART OF THE SCREEN--EXPOSITION AND PERSUASION.
SAME AS SPCH. 308.
PREREQUISITE--COMM. 307 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT
01528 LECT 3 M W 304 L H MUELLER
01528 LAB 3-5 F 304 L H

COMM 325 INTRODUCTION TO PSYCHOLINGUISTICS.
SAME AS LING. 325.
PREREQUISITE--AN INTRODUCTORY COURSE IN LINGUISTICS OR PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT
01529 LECT-DISC 2 M W F 123 G H MACLAY

COMM 360 EDUCATIONAL USES OF TELEVISION AND RADIO.
SAME AS SE. ED. AND R. TV. 360.
3 HOURS, OR 1/2 UNIT
*ONE ADDITIONAL HOUR TO BE ARRANGED
01530 LECT-DISC 7-9PM W 123 G H SKORNIA

COMM 370 LANGUAGE, CULTURE AND SOCIETY.
SAME AS ANTH. AND LING. 370.
3 HOURS, OR 1/2 OR 1 UNIT

01531	LECT-DISC	1	M W F	113	D H		CASAGRANDE

COMM 372 SOCIAL ASPECTS OF MASS COMMUNICATIONS.
SAME AS JOURN. AND SOC. 472.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT

01532	LECT-DISC	10	TU TH	123	G H		BROWN

COURSES FOR GRADUATES

COMM 414 SEMINAR ON SOCIAL INTERACTION.
SAME AS SOC. 414.
PREREQUISITE--ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY.
1 UNIT

01533	LECT-DISC	1-3	TU	348	L H		HULETT

COMM 426 RESEARCH SEMINAR IN PSYCHOLINGUISTICS.
SAME AS LING. AND PSYCH. 426.
PREREQUISITE--COMM. 425, CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

01534	LECT-DISC	11-1	TH	307	G H		MIRON

COMM 432 HISTORY OF BOOKS AND PRINTING.
SAME AS LIB. S. 432.
1 UNIT

01535	LECT-DISC	3-5	M	314	G H		EATON

COMM 444 SEMINAR IN PUBLIC OPINION.
SAME AS SOC. 444.
1 UNIT

01536	LECT-DISC	3-5	. TH	349	L H		SIMON

COMM 451 ADVANCED SOCIAL PSYCHOLOGY.
SAME AS PSYCH. 451.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING PSYCH. 255 OR EQUIVALENT.
1 UNIT

01537	LECT-DISC	3-5	M	307	G H		MCGRATH

COMM 456 PSYCHOLOGY OF SOCIAL COMMUNICATION.
SAME AS PSYCH. 456.
PREREQUISITE--COMM. 451 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
1 UNIT

01538	LECT-DISC	1-3	F	307	G H		FISHBEIN

COMM 468 THE POLITICAL ECONOMY OF COMMUNICATIONS, II.
SAME AS JOURN. 468.
PREREQUISITE--COMM. 467.
1 UNIT

01539	LECT-DISC	3-5	M	123	G H		SCHILLER

COMM 470 COMMUNICATIONS AND POPULAR CULTURE.
SAME AS JOURN. 470.
1 UNIT

01540	LECT-DISC	3-5	TH	123	G H		BROWN

COMM 472 PRO-SEMINAR IN COMMUNICATIONS, II.
SAME AS JOURN. 472.
1 UNIT

01541	LECT-DISC	3-5	TU	123	G H		MACLAY AND
01541	DISC	3	TH	43	G H		OTHERS

COMM 474 GOVERNMENT AND MASS COMMUNICATIONS.
SAME AS JOURN. 474.
1 UNIT

01542	LECT-DISC	1-3	TU	123	G H		CAREY

COMM 481 ADVANCED ADVERTISING PRINCIPLES.
SAME AS ADV. AND MKTG. 481.
*GRADUATE STUDENTS MAY NOT RECEIVE CREDIT FOR BOTH ADV. 389 AND COMM. 481.
*1 UNIT
01543 LECT-DISC 3-5 W 123 G H SAWDAGE

COMM 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
SAME AS ADV. AND MKTG. 482.
1 UNIT
01544 LECT-DISC 1-3 TH 123 G H SIMON

COMM 490 SPECIAL TOPICS IN COMMUNICATIONS.
PREREQUISITE--CONSENT OF CHAIRMAN OF COMMITTEE ON GRADUATE STUDY IN COMMUNICATIONS.
1/2 TO 2 UNITS
01545 CONF ARR STAFF

COMM 499 THESIS RESEARCH.
PREREQUISITE--CONSENT OF CHAIRMAN OF COMMITTEE ON GRADUATE STUDY IN COMMUNICATIONS AND THESIS SUPERVISOR.
*STUDENTS MAY ACCUMULATE A TOTAL OF 8 UNITS.
*0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
01546 CONF ARR STAFF

COMPARATIVE LITERATURE

DEPARTMENT OFFICE 107B E B

COURSES FOR GRADUATES

C LIT 451 SEMINAR IN LITERARY MOVEMENTS.
PREREQUISITE--C. LIT. 401.
*STUDENTS MAY ACCUMULATE 3 UNITS.
*1 UNIT
01547 LECT-DISC 1-3 F 425A LIB LINNER

DAIRY SCIENCE

DEPARTMENT OFFICE 315 A S L

COURSES FOR UNDERGRADUATES

D S 100 INTRODUCTION TO DAIRY PRODUCTION.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS
NOTE--REGISTRATION BY SECTIONS ONLY.

01548	LECT		9	M	135	A S L	HARSHBARGER,
01549	QUIZ	A	9	W	135	A S L	KENDALL
01549	LAB	A	10-12	TU	STOCK PAVILION		
01550	QUIZ	B	9	F	135	A S L	
01550	LAB	B	8-10	W	STOCK PAVILION		

D S 104 DAIRY CATTLE JUDGING.
PREREQUISITE--D S 100 OR CONSENT OF INSTRUCTOR.
2 HOURS
01551 LECT-DISC 3-5 TU TH STOCK PAVILION ORMISTON

D S 110 PLANT AND ANIMAL GENETICS.
SAME AS AN. S., AGRON., AND HORT. 110.
PREREQUISITE--BOT. 100, ZOOL. 104.
3 HOURS

01552	LECT		2	M W	109	T H		ALEXANDER
01553	LAB	1	1-3	TU	W 13	T H		AND STAFF
01554	LAB	2	3-5	TU	W 13	T H		
01555	LAB	3	1-3	TH	W 13	T H		

D S 120 PRINCIPLES OF ANIMAL NUTRITION.
SAME AS AN. S. 120.
PREREQUISITE--CHEM. 132 OR 133.
3 HOURS

01556	LECT-DISC		9	M W F	135	A S L		FORBES

COURSES FOR ADVANCED UNDERGRADUATES

D S 201 LIVESTOCK MANAGEMENT.
SAME AS AN. S. 201.
*DAIRY SCIENCE MAJORS DO NOT RECEIVE CREDIT FOR THIS COURSE.
*4 HOURS

01557	LECT-DISC		11	MTUWTH	153	A S L		ALBERT,
								ORMISTON

D S 202 DAIRY CATTLE FEEDING.
PREREQUISITE--D.S. 120 OR AN.S. 120.
3 HOURS

01558	LECT		3	W F	442	M H		BYERS
01558	LAB		3-5	M	442	M H		

D S 220 FEEDS AND FEEDING.
SAME AS AN. S. 220.
PREREQUISITE--D. S. 120 OR EQUIVALENT.
3 HOURS

01559	LECT		11	M W	135	A S L		HARSHBARGER,
01560	LAB-DISC	A	3-5	M	153	/A S L		HATFIELD
01561	LAB-DISC	B	3-5	W	153	A S L		
01562	LAB-DISC	C	10-12	F	406	M H		

D S 230 COMPARATIVE PHYSIOLOGY OF REPRODUCTION, LACTATION AND GROWTH.
SAME AS AN. S. 230.
PREREQUISITE--V P P 202.
3 HOURS

01563	LECT		9	TU TH	414	A S L		HAYS, NALBAND
01563	LAB		10-12	TU	414	A S L		

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

D S 300 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
3 TO 5 HOURS, OR 1/2 OR 1 UNIT

01564	CONF		ARR					SALISBURY AND
								STAFF

D S 305 GENETICS AND ANIMAL IMPROVEMENT.
SAME AS AN. S. 305.
PREREQUISITE--D. S. 110 OR EQUIVALENT.
3 HOURS, OR 3/4 UNIT

01565	LECT		10	M W	153	A S L		DEFRIES,
01565	DISC		10	F	153	A S L		RASMUSEN

D S 334 MARKETING OF DAIRY PRODUCTS.
SAME AS AG. EC. AND MKTG. 334.
PREREQUISITE--AG. EC. 230, OR MKTG. 101, OR TWELVE HOURS OF
DAIRY SCIENCE OR DAIRY TECHNOLOGY.
INSPECTION TRIP, ESTIMATED EXPENSE, $5.
3 HOURS, OR 3/4 OR 1 UNIT

01566	LECT-DISC	A	8	M W F	316S	M H		BARTLETT

D S 381 DAIRY BIOCHEMICAL LABORATORY METHODS.
PREREQUISITE--QUANTITATIVE ANALYSIS AND ORGANIC CHEMISTRY, CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

01567	LAB-DISC	1-5	TU TH	364	A S L		BROQUIST, LARSON

COURSES FOR GRADUATES

D S 408 PHYSIOLOGY OF LACTATION.
1/2 TO 2 UNITS

01568	LAB-DISC	ARR		414	A S L		HAYS

D S 411 POPULATION GENETICS AND ANIMAL BREEDING.
SAME AS AN. S. 411.
PREREQUISITE--D S 110 OR EQUIVALENT.
1 UNIT

01569	LECT-DISC	8	M W F	104	AN GEN		TOUCHBERRY

D S 412 ADVANCED ENDOCRINOLOGY.
SAME AS AN. S., PHYSL., AND ZOOL. 412.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 2 UNITS.
*1/2 UNIT
TOPIC--TO BE ANNOUNCED.

01570	DISC	730-10PM	M	140	BUR HALL		GORSKI, NALBANDOV

D S 430 PHYSIOLOGY OF MAMMALIAN GERM CELLS.
PREREQUISITE--D.S. 330, AN.S. 406, AND CHEM. 350, OR CONSENT OF INSTRUCTOR.
1 UNIT

01571	LECT	ARR					SALISBURY, LODGE

D S 441 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, II.
SAME AS AN. S., HORT., V.M.S., AND AGRON. 441.
PREREQUISITE--D S 440 OR EQUIVALENT.
1 UNIT

01572	LECT		9	M W F	W109	T H	JACOB, SEIF
01573	LAB	A	1-3	M	N107	T H	
01574	LAB	B	3-5	M	N107	T H	
01575	LAB	C	1-3	TU	N107	T H	
01576	LAB	D	3-5	TU	N107	T H	

D S 450 DAIRY BACTERIOLOGY.
PREREQUISITE--TEN HOURS OF ADVANCED MICROBIOLOGY AND/OR CHEMISTRY, AND CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS

01578	LAB	ARR		462	A S L		

D S 490 DAIRY SCIENCE SEMINAR.
PREREQUISITE--GRADUATE MAJOR OR MINOR IN DAIRY SCIENCE.
1/2 UNIT

01580	DISC	4	TH	341	A S L		SALISBURY

D S 493 SPECIAL PROBLEMS.
1/2 TO 2 UNITS

01581	CONF	ARR					SALISBURY AND STAFF

D S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

01582	CONF	ARR					SALISBURY AND STAFF

DAIRY TECHNOLOGY

SEE FOOD TECHNOLOGY

DANCE

DEPARTMENT OFFICE 126A W GYM

PROFESSIONAL COURSES FOR UNDERGRADUATES

DANCE 160 CONTEMPORARY DANCE, I.
1 HOUR

01583	LAB	G	2	M	W	F	310	W GYM
01584	LAB	G1	2	M	W	F	311	W GYM

DANCE 161 CONTEMPORARY DANCE, II.
PREREQUISITE--DANCE 160 OR CONSENT OF INSTRUCTOR.
1 HOUR

01585	LAB	I	4	M	W	F	310	W GYM
01586	LAB	I1	4	M	W	F	311	W GYM

DANCE 163 ANALYSIS OF RHYTHMIC MOVEMENT.
PREREQUISITE--DANCE 160.
2 HOURS

01587	LAB-DISC	G	2	M	W	F	10	W GYM

DANCE 164 DANCE COMPOSITION.
PREREQUISITE--DANCE 162 AND 163 OR CONSENT OF INSTRUCTOR.
2 HOURS

01588	LAB-DISC	F	1-3	TU	TH		10	W GYM

DANCE 166 CONTEMPORARY DANCE, IV.
PREREQUISITE--DANCE 165 OR CONSENT OF INSTRUCTOR.
1 HOUR

01589	LAB	I	4	M	W	F	310	W GYM
01590	LAB	I1	4	M	W	F	311	W GYM

PROFESSIONAL COURSES FOR ADVANCED UNDERGRADUATES

DANCE 235 SQUARE AND BALLROOM DANCE.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS

01591	LAB	F	1	MTUWTHF	218	E B GYM

DANCE 236 FOLK DANCE.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
1 HOUR

01592	LAB	A	8	M WTH	218	E B GYM

DANCE 244 TEACHING OF DANCE.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

01593	LAB-DISC	C	10	MTUWTHF	207B	W GYM

DANCE 261 ADVANCED CONTEMPORARY DANCE, II.
PREREQUISITE--DANCE 260 OR CONSENT OF INSTRUCTOR.
1 HOUR

01594	LAB	I	4	MTU TH	310	W GYM

DANCE 263 ADVANCED CONTEMPORARY DANCE, IV.
PREREQUISITE--DANCE 262 OR CONSENT OF INSTRUCTOR.
1 HOUR

01595	LAB	I	4	MTU TH	3:	W GYM

DANCE 264 CONCERT DANCE, I.
PREREQUISITE--DANCE 164 OR CONSENT OF INSTRUCTOR.
2 HOURS

01596	LAB-DISC	I	4-6	W	10	W GYM

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

DANCE 345 DANCE PRODUCTION WORKSHOP.
PREREQUISITE--SENIOR OR GRADUATE STANDING, DANCE 164 OR EQUIVALENT AND/OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01597	LAB-DISC	C	11-1	TU TH	10	W GYM

DANCE 346 THEORY AND PHILOSOPHY OF DANCE.
PREREQUISITE--SENIOR OR GRADUATE STANDING AND/OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

01598	LECT-DISC	F	3-5	M	211	W GYM
		H	3	W	211	W GYM

COURSES FOR GRADUATES

DANCE 401 CHOREOGRAPHY.
PREREQUISITE--DANCE 345 OR EQUIVALENT.
1/2 TO 2 UNITS

01599	LAB		ARR

DANCE 490 DANCE SEMINAR.
NO CREDIT

01600	LECT-DISC		ARR

DANCE 499 THESIS RESEARCH.
1/2 TO 2 UNITS

01601	DISC		ARR

DIVISION OF GENERAL STUDIES L A S

DEPARTMENT OFFICE 221 A H

COURSES FOR UNDERGRADUATES

D G S 111 VERBAL COMMUNICATION.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

01602	LECT		10	TU	202	H H
01603	DISC	A	8	M W F	143	A H
01604	DISC	C	10	M W F	254	ADMIN
01605	DISC	X	12	M W F	143	A H

D G S 112 VERBAL COMMUNICATION.
PREREQUISITE--D.G.S. 111.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS IN LECTURE 1 MUST REGISTER IN SECTIONS UNDER LECTURE 1.
THOSE IN LECTURE 2 REGISTER IN SECTIONS UNDER LECTURE 2.
*SECTION &F1 IS RESERVED FOR JAMES SCHOLARS AND SUPERIOR STUDENTS.

01606	LECT	1	9	F	L H THEATER		HILL AND STAFF
01607	DISC	A1	8	M W F	141	A H	
01608	DISC	A2	8	M W F	137	ADMIN	
01609	DISC	C1	10	M W F	141	A H	
01610	DISC	C2	10	M W F	143	A H	
01611	DISC	C3	10	M W F	137	ADMIN	
01612	DISC	D1	11	M W F	141	A H	
01613	DISC	D2	11	M W F	143	A H	
01614	DISC	D3	11	M W F	137	ADMIN	

D G S112 CONTINUED

01615	DISC	X1	12	M	W	F	141	A H
01616	DISC	X2	12	M	W	F	137	ADMIN
01617	DISC	X3	12	M	W	F	241	N H B
01618	DISC	X4	12	M	W	F	254	ADMIN
01619	DISC	E1	1	M	W	F	141	A H
01620	DISC	E2	1	M	W	F	143	A H
01621	DISC	E3	1	M	W	F	202	H H
01622	DISC	H1	4	M	W	F	241	N H B
01623	LECT	2	11			F	L H THEATER	
01624	DISC	B1	9	M	W	F	141	A H
01625	DISC	B2	9	M	W	F	143	A H
01626	DISC	B3	9	M	W	F	254	ADMIN
01641	DISC	&F1	2	M	W	F	141	A H
01627	DISC	F2	2	M	W	F	143	A H
01628	DISC	F3	2	M	W	F	241	N H B
01629	DISC	F4	2	M	W	F	137	ADMIN
01630	DISC	G1	3	M	W	F	141	A H
01631	DISC	G2	3	M	W	F	143	A H
01632	DISC	G3	3	M	W	F	254	ADMIN
01633	DISC	G4	3	M	W	F	241	N H B
01634	DISC	G5	3	M	W	F	137	ADMIN
01635	DISC	H2	4	M	W	F	137	ADMIN
01636	DISC	H3	4	M	W	F	254	ADMIN
01637	DISC	J	8	TU TH S			143	A H
01638	DISC	K	9	TU TH S			143	A H
01639	DISC	L	10	TU TH S			143	A H
01640	DISC	M	11	TU TH S			143	A H

D G S 122 HISTORY OF CIVILIZATION, II.

•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
•STUDENTS IN LECT 1 MUST REGISTER IN DISCUSSION SECTIONS UNDER LECT 1. THOSE IN LECT 2 REGISTER IN DISCUSSION SECTIONS UNDER LECT 2.

01642	LECT	1	9	M	W	314	A H	BRUUN
01643	DISC	A1	8	TU TH		141	A H	POWELL
01644	DISC	A2	8	TU TH		341	A H	
01645	DISC	B2	9	TU TH		341	A H	
01646	DISC	C2	10	TU TH		341	A H	
01647	DISC	C1	11	TU TH		141	A H	
01648	DISC	D2	11	TU TH		341	A H	
01649	DISC	D3	11	TU TH		441	A H	
01650	DISC	E2	1	TU TH		143	A H	
01651	DISC	F2	2	TU TH		143	A H	
01652	DISC	G2	3	TU TH		143	A H	
01653	LECT	2	11	M	W	314	A H	
01654	DISC	B1	9	TU TH		141	A H	
01655	DISC	C1	10	TU TH		141	A H	
01656	DISC	E1	1	TU TH		141	A H	
01657	DISC	F1	2	TU TH		141	A H	
01658	DISC	G1	3	TU TH		141	A H	

D G S 132 BIOLOGICAL SCIENCE, II.

PREREQUISITE--D.G.S. 131 OR CONSENT OF INSTRUCTOR.
•CREDIT IS NOT GIVEN IN D. G. S. 132 IN ADDITION TO CREDIT IN BOT. 100, PHYSL. 103, ZOOL. 101 OR 104.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
•SECTION &5 IS RESERVED FOR SUPERIOR STUDENTS.

01659	LECT	A	1	TU TH		228	N H B	KUGLER
01660	LECT	B	2	TU TH		228	N H B	GLAWE
01661	LAB-DISC	1	8-10	M	W	432	N H B	LEE
01662	LAB-DISC	3	8-10	TU TH		432	N H B	PHILLIPS
01663	LAB-DISC	4	8-10	TU TH		425	N H B	HURLEY
01681	LAB-DISC	•&5	8-10	TU TH		425	N H B	
01664	LAB-DISC	6	8-10		W F	432	N H B	
01665	LAB-DISC	7	8-10		W F	423	N H B	
01666	LAB-DISC	8	10-12	M	W	432	N H B	
01667	LAB-DISC	9	10-12	M	F	425	N H B	
01668	LAB-DISC	10	10-12	TU TH		432	N H B	
01669	LAB-DISC	11	10-12	TU TH		425	N H B	
01670	LAB-DISC	12	10-12	TU TH		423	N H B	
01671	LAB-DISC	13	10-12		W F	432	N H B	
01672	LAB-DISC	14	10-12		W F	423	N H B	
01673	LAB-DISC	15	1-3	M	W	432	N H B	
01674	LAB-DISC	16	1-3	M	W	423	N H B	
01675	LAB-DISC	17	1-3	M	F	425	N H B	
01676	LAB-DISC	18	1-3		W F	432	N H B	
01677	LAB-DISC	19	3-5	M	W	432	N H B	
01678	LAB-DISC	20	3-5	M	W	423	N H B	
01679	LAB-DISC	21	3-5	TU TH		432	N H B	
01680	LAB-DISC	22	3-5	TU TH		425	N H B	

D G S 141 PHYSICAL SCIENCE, I.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*4 HOURS

01682	LECT		1	M W F	151	P B			DENNISON
01683	DISC	C	10	TU TH	8	C A			ROSEN
01684	DISC	D	11	TU TH	8	C A			TEXTORIS
01685	DISC	X	12	TU TH	8	C A			
01686	DISC	F	2	TU TH	8	C A			
01687	DISC	G	3	TU TH	8	C A			
01688	DISC	H	4	TU TH	8	C A			

D G S 142 PHYSICAL SCIENCE, II.

PREREQUISITE--D.G.S. 141 OR CONSENT OF INSTRUCTOR.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*4 HOURS

01689	LECT		3	M W F	228	N H B			DENNISON
01690	DISC	A1	8	TU TH	9	C A			ROSEN
01691	DISC	A2	8	TU TH	8	C A			TEXTORIS
01692	DISC	B1	9	TU TH	9	C A			
01693	DISC	B2	9	TU TH	8	C A			
01694	DISC	C1	10	TU TH	9	C A			
01695	DISC	D1	11	TU TH	9	C A			
01696	DISC	X1	12	TU TH	9	C A			
01697	DISC	E1	1	TU TH	9	C A			
01698	DISC	E2	1	TU TH	8	C A			
01699	DISC	F1	2	TU TH	9	C A			
01700	DISC	G1	3	TU TH	9	C A			
01701	DISC	H	4	TU TH	9	C A			

D G S 152 SOCIAL SCIENCE.

PREREQUISITE--D. G. S. 151 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.

4 HOURS

01702	LECT		11	M W	254	ADMIN			
01703	DISC	C	10	TU TH	445	A H			AGASSI
01704	DISC	D	11	TU TH	443	A H			

D G S 162 LITERATURE AND FINE ARTS, II.

PREREQUISITE--D.G.S. 161 OR CONSENT OF INSTRUCTOR.

4 HOURS

*STUDENTS IN DISC A, B1, OR B2 MUST TAKE LECT 1, THOSE IN F1, F2, OR G MUST TAKE LECT 2.

01705	LECT	1	9	M W F	196	L H			HERRICK
01706	DISC	A	8	TU	196	L H			DRAPER
01707	DISC	B1	9	TU	196	L H			LOFTUS
01708	DISC	B2	9	TH	196	L H			
01709	LECT	2	2	M W F	196	L H			
01710	DISC	F1	2	TU	196	L H			
01711	DISC	F2	2	TH	196	L H			
01712	DISC	G	3	TU	196	L H			

D G S 171 PSYCHOLOGY.

PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.

4 HOURS

01713	LECT		10	M W F	202	H H			COSTIN
01714	DISC	C	10	TH	343	A H			COSTIN
01715	DISC	D	11	TH	343	A H			WETZEL
01716	DISC	E	1	TH	137	ADMIN			

D G S 172 PHILOSOPHY.

SAME AS PHIL. 172.

PREREQUISITE--D. G. S. 171, SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.

4 HOURS

01717	DISC		1	MTUWTH	396	L H			GOLDBERG

DEPARTMENT OFFICE 226 D K H

A LIST OF INSTRUCTORS WILL BE POSTED IN THE ECONOMICS OFFICE IN JANUARY 1965.

MAJOR--FOR L A S STUDENTS WHO ENTERED THE UNIVERSITY SEPTEMBER, 1963, AND AFTER--TWENTY HOURS IN ECONOMICS, INCLUDING ECON. 108-OR 102 AND 103-171, 300, AND 301. MATH. 124 AND 134 OR 35P AND 35Q ARE ALSO REQUIRED BUT ARE NOT ACCEPTABLE TOWARD THE TWENTY-HOUR MAJOR. LIBERAL ARTS MAJORS ARE STRONGLY ADVISED TO ELECT ACCY 201, WHICH IS NOT ACCEPTABLE TOWARD THE MAJOR REQUIREMENT.

FOR L A S STUDENTS WHO ENTERED THE UNIVERSITY BEFORE SEPTEMBER, 1963--TWENTY HOURS IN ECONOMICS, INCLUDING ECON. 108 OR 102 AND 103, AND ECON. 300 AND 301. LIBERAL ARTS MAJORS IN ECONOMICS ARE STRONGLY ADVISED TO ELECT ECON. 171 AND ACCY 201. ECON. 171 IS ACCEPTABLE TOWARD THE TWENTY-HOUR MAJOR, BUT ACCY. 201 IS NOT ACCEPTABLE TOWARD THE MAJOR REQUIREMENT.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, EDUCATION, FINANCE, GEOGRAPHY, GEOLOGY, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIAL WORK, SOCIOLOGY. AN ECONOMICS MAJOR WHO CHOOSES FINANCE AS A MINOR MUST INCLUDE TWELVE HOURS IN A SECOND MINOR. THE CURRICULUM IN LATIN-AMERICAN OR RUSSIAN AREA STUDIES IS ACCEPTED AS A MINOR.

NOTE--ECON. 102 AND 103 ARE REQUIRED FOR ALL COMMERCE STUDENTS, AND THESE OR 108 ARE REQUIRED FOR ALL LIBERAL ARTS MAJORS IN ECONOMICS. STUDENTS WHO EXPECT TO DO ADVANCED WORK IN ECONOMICS SHOULD TAKE THESE COURSES IN THEIR SOPHOMORE YEAR.

COURSES FOR UNDERGRADUATES

ECON 102 PRINCIPLES OF ECONOMICS, I.
PREREQUISITE--ONE SEMESTER OF UNIVERSITY WORK
3 HOURS

01741	LECT-DISC	6D	11	M W F	24	COM W
01718	LECT	1	2	M	141	COM W
01719	LECT	2	3	M	141	COM W
01720	QUIZ	J1	8	TU TH	24	COM W
01721	QUIZ	J2	8	TU TH	126	COM W
01722	QUIZ	J3	8	TU TH	140	COM W
01723	QUIZ	K1	9	TU TH	24	COM W
01724	QUIZ	K2	9	TU TH	126	COM W
01725	QUIZ	K3	9	TU TH	140	COM W
01726	QUIZ	L1	10	TU TH	24	COM W
01727	QUIZ	L2	10	TU TH	126	COM W
01728	QUIZ	L3	10	TU TH	140	COM W
01729	QUIZ	M1	11	TU TH	24	COM W
01730	QUIZ	M2	11	TU TH	126	COM W
01731	QUIZ	M3	11	TU TH	140	COM W
01732	QUIZ	N1	1	TU TH	126	COM W
01733	QUIZ	N2	1	TU TH	36	COM W
01734	QUIZ	N3	1	TU TH	40	COM W
01735	QUIZ	O1	2	TU TH	126	COM W
01736	QUIZ	O2	2	TU TH	36	COM W
01737	QUIZ	O3	2	TU TH	40	COM W
01738	QUIZ	P1	3	TU TH	126	COM W
01739	QUIZ	P2	3	TU TH	36	COM W
01740	QUIZ	P3	3	TU TH	40	COM W

ECON 103 PRINCIPLES OF ECONOMICS, II.
PREREQUISITE--ECON. 102.
3 HOURS

01742	LECT-DISC	A1	8	M	W	F	111	D	K	H
01743	LECT-DISC	A2	8	M	W	F	125	D	K	H
01744	LECT-DISC	B1	9	M	W	F	111	D	K	H
01745	LECT-DISC	B2	9	M	W	F	125	D	K	H
01746	LECT-DISC	C1	10	M	W	F	111	D	K	H
01747	LECT-DISC	C2	10	M	W	F	125	D	K	H
01748	LECT-DISC	D1	11	M	W	F	111	D	K	H
01749	LECT-DISC	D2	11	M	W	F	125	D	K	H
01750	LECT-DISC	E1	1	M	W	F	111	D	K	H
01751	LECT-DISC	E2	1	M	W	F	125	D	K	H
01757	LECT-DISC	&F1	2	M	W	F	126	COM	W	
01752	LECT-DISC	F2	2	M	W	F	111	D	K	H
01753	LECT-DISC	G1	3	M	W	F	111	D	K	H
01754	LECT-DISC	G2	3	M	W	F	125	D	K	H
01755	LECT-DISC	H1	4	M	W	F	111	D	K	H
01756	LECT-DISC	H2	4	M	W	F	125	D	K	H

ECON 108 ELEMENTS OF ECONOMICS.
NOT OPEN TO COMMERCE STUDENTS OR STUDENTS WHO HAVE HAD ECON. 102 AND 103.
PREREQUISITE--FIRST SEMESTER FRESHMAN IN ENGINEERING, SECOND SEMESTER FRESHMAN IN OTHER COLLEGES.
3 HOURS
*ALL A, B, AND F SECTIONS ARE CONDUCTED USING TELEVISION.

01796	LECT-DISC	&C	10	M	W	F	24	COM	W	
01797	LECT-DISC	*B1	9	M	W	F	19	D	K	H
01798	LECT-DISC	*B2	9	M	W	F	119	D	K	H
01799	LECT-DISC	*B3	9	M	W	F	222	D	K	H
01800	LECT-DISC	*B4	9	M	W	F	223	D	K	H
01801	LECT	*F1	2	M		F	19	D	K	H
01758	QUIZ	F11	2		W		19	D	K	H
01759	QUIZ	F12	2		TU		19	D	K	H
01802	LECT	*F2	2	M		F	125	D	K	H
01760	QUIZ	F21	2		W		125	D	K	H
01761	QUIZ	F22	2		TU		125	D	K	H

*SECTION L IS OPEN ONLY TO THOSE PREPARING TO TEACH IN THE PUBLIC SCHOOLS.

01808	LECT-DISC	*L	10		TU	TH	40	COM	W	
		*L	11			TH	40	COM	W	

STUDENTS REGISTERING IN EACH LECTURE MUST REGISTER IN QUIZ SECTIONS FOLLOWING THAT LECTURE.

01803	LECT	*A1	8	M		F	19	D	K	H
01762	QUIZ	A11	8		W		19	D	K	H
01763	QUIZ	A12	8		TU		119	D	K	H
01804	LECT	*A2	8	M		F	119	D	K	H
01764	QUIZ	A21	8		W		119	D	K	H
01765	QUIZ	A22	8			TH	119	D	K	H
01805	LECT	*A3	8	M		F	222	D	K	H
01766	QUIZ	A31	8		W		222	D	K	H
01767	QUIZ	A32	8		TU		222	D	K	H
01806	LECT	*A4	8	M		F	223	D	K	H
01768	QUIZ	A41	8		W		223	D	K	H
01769	QUIZ	A42	8			TH	222	D	K	H
01807	LECT	*B	9	M		F	103	M	H	
01770	QUIZ	B11	9		TU		119	D	K	H
01771	QUIZ	B12	9			TH	119	D	K	H
01772	QUIZ	B13	10		TU		125	D	K	H
01773	QUIZ	B14	10			TH	125	D	K	H
01774	LECT	C	10	M		F	141	COM	W	
01775	QUIZ	C1	9		TU		222	D	K	H
01776	QUIZ	C2	9		TU		223	D	K	H
01777	QUIZ	C3	9			TH	222	D	K	H
01778	QUIZ	C4	9			TH	223	D	K	H
01779	QUIZ	C5	10		TU		222	D	K	H
01780	QUIZ	C6	10		TU		223	D	K	H
01781	QUIZ	C7	10			TH	222	D	K	H
01782	QUIZ	C8	10			TH	223	D	K	H
01783	QUIZ	C9	11		TU		222	D	K	H
01784	QUIZ	C10	11			TH	222	D	K	H
01785	LECT	E	1	M		F	112	G	H	
01786	QUIZ	E1	1		TU		222	D	K	H
01787	QUIZ	E2	1		TU		125	D	K	H
01788	QUIZ	E3	1			TH	222	D	K	H
01789	QUIZ	E4	1			TH	125	D	K	H
01790	QUIZ	E5	2		TU		222	D	K	H
01791	QUIZ	E6	2		TU		119	D	K	H
01792	QUIZ	E7	2			TH	222	D	K	H
01793	QUIZ	E8	2			TH	119	D	K	H
01794	QUIZ	E9	3		TU		222	D	K	H
01795	QUIZ	E10	3			TH	222	D	K	H

ECON 104 ELEMENTS OF ECONOMICS.
FOR NON-COMMERCE STUDENTS.
PREREQUISITE--ECON. 104.
3 HOURS

01809	LECT-DISC	C	10	M	W	F	114	D K H
01810	LECT-DISC	D	11	M	W	F	114	D K H
01811	LECT-DISC	E	1	M	W	F	114	D K H
01812	LECT-DISC	F	2	M	W	F	114	D K H

ECON 170 ELEMENTS OF STATISTICS.
PREREQUISITE--ECON. 102 OR 104, SOPHOMORE STANDING.
•NOT OPEN FOR CREDIT IN ADDITION TO ECON. 171, MATH. 161, OR PSYCH. 135.
•3 HOURS

01813	LECT-DISC	A	8	M	W	F	24	COM W
		A	8	TU			206	D K H
01814	LECT-DISC	B	9	M	W	F	24	COM W
		B	9	TU			206	D K H
01815	LECT-DISC	C	10	M	W	F	223	D K H
		C	10	TU			206	D K H
01816	LECT-DISC	D	11	M	W	F	223	D K H
		D	11	TU			206	D K H
01817	LECT-DISC	E	1	M	W	F	223	D K H
		E	1	TU			206	D K H
01818	LECT-DISC	•EF1	2	M	W	F	223	D K H
		EF1	2	TU			206	D K H
01818	LECT-DISC	F2	2	M	W	F	222	D K H
		F2	2		TH		206	D K H
01819	LECT-DISC	G1	3	M	W	F	223	D K H
		G1	3	TU			206	D K H
01820	LECT-DISC	G2	3	M	W	F	222	D K H
		G2	3		TH		206	D K H
01821	LECT-DISC	H1	4	M	W	F	223	D K H
		H1	4	TU			206	D K H
01822	LECT-DISC	H2	4	M	W	F	222	D K H
		H2	4		TH		206	D K H

ECON 171 APPLIED GENERAL STATISTICS.
FOR NON-COMMERCE STUDENTS ONLY.
PREREQUISITE--SOPHOMORE STANDING.
•NOT OPEN FOR CREDIT IN ADDITION TO ECON. 170, MATH. 161, OR PSYCH. 135.
•3 HOURS

01824	LECT-DISC	E	1	M	W	F	222	D K H
		E	1		TH		206	D K H

COURSES FOR ADVANCED UNDERGRADUATES

ECON 210 COMPARATIVE ECONOMIC SYSTEMS.
PREREQUISITE--ECON. 102 AND 103, OR 104.
3 HOURS

01825	LECT-DISC	B	9	M	W	F	141	COM W
01826	LECT-DISC	C	10	M	W	F	245	COM W
01831	LECT-DISC	CD	11	M	W	F	245	COM W
01827	LECT-DISC	E	1	M	W	F	245	COM W
01828	LECT-DISC	F	2	M	W	F	245	COM W
01829	LECT-DISC	G	3	M	W	F	245	COM W
01830	LECT-DISC	H	1	TU TH			245	COM W
		H	2	TU			245	COM W

ECON 214 GOVERNMENT FINANCE AND TAXATION.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01832	LECT-DISC	D	9	M	W	F	40	COM W
01833	LECT-DISC	E	1	M	W	F	130	COM W
01834	LECT-DISC	G	3	M	W	F	166	COM W
01835	LECT-DISC	L	10	TU TH			130	COM W
		L	11	TU			130	COM W

ECON 224 WORLD MARKETS.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

01836	LECT-DISC	A	8	M	W	F	140	COM W

ECON 229 INTERNATIONAL FINANCE.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS
01837 LECT-DISC B 1 M W F 140 COM W

ECON 238 ECONOMIC DEVELOPMENT OF MODERN EUROPE.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS
01838 LECT-DISC G 3 M W F 119 D K H

ECON 240 LABOR PROBLEMS.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS
01839 LECT-DISC B 9 M W F 166 COM W
01840 LECT-DISC C 10 M W F 4F COM W
01841 LECT-DISC E 1 M W F 166 COM W
01842 LECT-DISC F 2 M W F 16L COM W

ECON 271 BUSINESS STATISTICS.
PREREQUISITE--ECON. 170, ECON. 102 AND 103, OR 108.
3 HOURS
01843 LECT-DISC D1 11 M W F 14K COM W
01844 LECT-DISC D2 11 M W F 12E COM W

ECON 287 INDUSTRIAL TRAFFIC MANAGEMENT.
PREREQUISITE--CREDIT OR REGISTRATION IN ECON. 344.
3 HOURS
01845 LECT-DISC F 2 M W F 9H COM W

ECON 288 GOVERNMENT REGULATION OF ECONOMIC ACTIVITY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS
01846 LECT-DISC B 9 M W F 12E COM W

ECON 291 HONORS COURSE.
PREREQUISITE--MAJOR IN ECONOMICS, AT LEAST FIFTEEN HOURS OF ADVANCED COURSES.
2 TO 4 HOURS
01847 CONF 6A ARR

ECON 293 INDEPENDENT STUDY.
PREREQUISITE--CONSENT OF CHAIRMAN OF DEPARTMENT.
•3 TO 5 HOURS
01848 CONF 6A ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ECON 300 INTERMEDIATE ECONOMIC THEORY AND ANALYSIS.
PREREQUISITE--ECON. 103, OR 108, OR A GRADE OF B OR BETTER IN ECON. 108.
3 HOURS, OR 1/2 UNIT
01849 LECT-DISC B 9 M W F 3E COM W
01850 LECT-DISC D 11 M W F 3K COM W
01851 LECT-DISC 6N 1 TU TH 13U COM W
6N 2 TU 13K COM W

ECON 301 MONETARY AND EMPLOYMENT THEORY.
PREREQUISITE--FIN. 250.
3 HOURS, OR 1/2 UNIT
01852 LECT-DISC D 11 M W F 4D COM W
01853 LECT-DISC E 1 M W F 3E COM W

ECON 312 THE SOVIET ECONOMY.
PREREQUISITE--ECON. 102 AND 103, OR 108, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
01854 LECT-DISC G 3 M W F 13U COM W

ECON 313 ECONOMICS OF CONSUMPTION.
PREREQUISITE--ECON. 102 OR 108, A COURSE IN APPLIED STATISTICS, AND JUNIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT
01855 LECT-DISC 3 M W F 242 BEV HALL

ECON 329 COMMERCE AND INDUSTRY IN SOUTH AMERICA.
PREREQUISITE--ECON. 102 AND 103, OR 108, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
01856 LECT-DISC B 9 M W F 140 COM W

ECON 335 AMERICAN FINANCIAL HISTORY.
PREREQUISITE--FIN. 250.
3 HOURS, OR 1/2 OR 1 UNIT
01857 LECT-DISC C 10 M W F 130 COM W

ECON 336 AMERICAN ECONOMIC HISTORY.
3 HOURS, OR 1/2 OR 1 UNIT
01858 LECT-DISC C 11 M W F 130 COM W

ECON 337 ECONOMIC HISTORY OF AMERICAN AGRICULTURE.
SAME AS AG. EC. AND HIST. 337.
PREREQUISITE--A COLLEGE-LEVEL COURSE IN BASIC ECONOMICS OR AMERICAN HISTORY. GRADUATE STUDENTS TAKING THIS COURSE FOR 1 UNIT CREDIT WRITE A PAPER ON APPROVED TOPIC IN AGRICULTURAL HISTORY.
3 HOURS, OR 1/2 OR 1 UNIT
01859 LECT-DISC A 8 M W F 130 COM W

ECON 343 COLLECTIVE BARGAINING.
PREREQUISITE--ECON. 240.
3 HOURS, OR 1/2 OR 1 UNIT
01860 LECT-DISC C 10 M W F 36 COM W

ECON 344 THE LAW AND LABOR.
SAME AS L.I.R. 344.
PREREQUISITE--ECON. 102 AND 103, OR 108, ECON. 240.
3 HOURS, OR 1/2 OR 1 UNIT
01861 LECT-DISC B 9 M W F 130 COM W

ECON 371 APPLIED PROBLEMS IN SAMPLING.
PREREQUISITE--ECON. 170 OR A SIMILAR INTRODUCTORY COURSE IN STATISTICS.
3 HOURS, OR 1/2 UNIT
01862 LECT-DISC C 10 M W F 126 COM W

ECON 372 OPERATIONS RESEARCH.
PREREQUISITE--ECON. 170 AND MGMT. 101, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
01863 LECT-DISC F 2 M W F 166 COM W

ECON 375 BUSINESS CYCLES AND ECONOMIC GROWTH.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01864 LECT-DISC E 1 M W F 126 COM W

ECON 384 ECONOMICS OF TRANSPORTATION.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01865 LECT-DISC G 3 M W F 94 COM W

ECON 386 CURRENT TRANSPORTATION PROBLEMS.
PREREQUISITE--ECON. 384.
3 HOURS, OR 1/2 OR 1 UNIT
01866 LECT-DISC G 3 M W F 126 COM W

ECON 389 INDUSTRIAL COMPETITION AND MONOPOLY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS, OR 1/2 OR 1 UNIT
01867 LECT-DISC E 1 M W F 40 COM W

ECON 400 GENERAL ECONOMIC THEORY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
1 UNIT
01868 LECT-DISC 10-12 TH 166 COM W

ECON 401 GENERAL ECONOMIC THEORY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
1 UNIT
01869 LECT-DISC 1 2-4 W 140 COM W
01870 LECT-DISC 2 10-12 TH 245 COM W

ECON 403 ECONOMIC THEORY.
PREREQUISITE--ECON. 300-301 OR EQUIVALENT--FOR THE MATHEMATICS SECTION, A KNOWLEDGE OF ALGEBRA AND CALCULUS.
1 UNIT
SECTION 1 IS NON-MATHEMATICAL AND SECTION 2 IS MATHEMATICAL.
01871 LECT-DISC 1 2-4 M W 36 COM W
01872 LECT-DISC 2 2-4 M W 40 COM W

ECON 405 THE THEORY OF CAPITAL AND INTEREST.
PREREQUISITE--ECON. 403 OR CONSENT OF INSTRUCTOR.
1 UNIT
01873 LECT-DISC 1-3 TH 94 COM W

ECON 407 A HISTORY OF ECONOMIC THOUGHT, II.
1 UNIT
01874 LECT-DISC 2-4 TU 94 COM W

ECON 408 THE ECONOMIC THEORY OF CONSUMER BEHAVIOR.
PREREQUISITE--ECON. 400 OR 402 OR CONSENT OF INSTRUCTOR.
1 UNIT
01875 LECT-DISC 8-10 W 11 COM W

ECON 411 ECONOMICS OF UNDERDEVELOPED COUNTRIES.
PREREQUISITE--ECON. 300 OR CONSENT OF INSTRUCTOR.
1 UNIT
01876 LECT-DISC 4-6 TU 126 COM W

ECON 415 ECONOMICS OF TAXATION.
PREREQUISITE--SIX HOURS OF ECONOMICS.
1 UNIT
01877 LECT-DISC 4-6 F 126 COM W

ECON 421 THE THEORY OF MONETARY POLICY.
PREREQUISITE--A COURSE IN MONEY AND BANKING, IN MACRO-ECONOMIC THEORY, CALCULUS, AND STATISTICS, OR CONSENT OF INSTRUCTOR.
1 UNIT
01878 LECT-DISC 10-12 F 11 COM W

ECON 429 INTERNATIONAL ECONOMICS AND FINANCE, II.
1 UNIT
01879 LECT-DISC 8-10 F 11 COM W

ECON 436 AMERICAN ECONOMIC HISTORY.
NOT OPEN TO STUDENTS WHO HAVE HAD ECON. 336.
1 UNIT
01880 LECT-DISC 4-6 M 130 COM W

ECON 441 LABOR ECONOMICS.
SAME AS L.I.R. 441.
PREREQUISITE--A MINIMUM OF SIX HOURS OF ECONOMICS.
1 UNIT
01881 LECT-DISC 1-3 TH 140 COM W

ECON 443 PROBLEMS AND PRACTICES OF LABOR DISPUTE SETTLEMENT.
SAME AS L.I.R. 443.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
01882 LECT-DISC 3-5 TU 43 ILIR

ECON 455 MACRO-ACCOUNTING.
SAME AS ACCY. 455.
PREREQUISITE--INTERMEDIATE MACRO-ECONOMIC THEORY OR CONSENT OF INSTRUCTOR.
1 UNIT
01883 LECT-DISC 10-12 TU 94 COM W

ECON 471 ECONOMIC STATISTICS.
PREREQUISITE--ECON. 470 OR NINE HOURS OF APPLIED OR THEORETICAL STATISTICS.
1 UNIT
01884 LECT-DISC 10-12 TU TH 36 COM W

ECON 474 OPERATIONS ANALYSIS.
PREREQUISITE--MATH. 359 OR EQUIVALENT.
1 UNIT
01885 LECT-DISC E 1 W F 94 COM W

ECON 475 ECONOMIC ACTIVITY ANALYSIS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
01886 LECT-DISC 830-10 TU TH 11 COM W

ECON 479 RESEARCH SEMINAR IN QUANTITATIVE ECONOMICS.
PREREQUISITE--EQUIVALENT OF ONE YEAR OF GRADUATE STATISTICS--THEORETICAL OR APPLIED--CALCULUS AND EQUIVALENT OF ONE YEAR OF MATHEMATICAL ECONOMICS.
1 UNIT
01887 LECT-DISC 2-4 M 140 COM W

ECON 481 SEMINAR IN RELATION OF GOVERNMENT AND BUSINESS, II.
1 UNIT
01888 LECT-DISC 4-6 W 94 COM W

ECON 485 ECONOMICS OF TRANSPORTATION, II.
1 UNIT
01889 LECT-DISC 10-12 W 11 COM W

ECON 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION 1 IS EXCLUSIVELY FOR MASTERS CANDIDATES AND SECTION 2 IS EXCLUSIVELY FOR PH. D. CANDIDATES.
01890 LECT-DISC 1 10-12 M 166 COM W
01891 LECT-DISC 2 3-5 TH 240 COM W

EDUCATIONAL ADMINISTRATION AND SUPERVISION

DEPARTMENT OFFICE 319 EDUC

COURSES FOR GRADUATES

ED AD 430 ELEMENTARY SCHOOL ORGANIZATION AND ADMINISTRATION.
PREREQUISITE--EL. ED. 431 AND 439.
1 UNIT
01892 LECT-DISC 7-9PM TU 16 EDUC BARNES

ED AD 438 INSTRUCTIONAL SUPERVISION.
PREREQUISITE--EL. ED. OR SE. ED. 439, AND ED. AD. 430 OR 440.
1 UNIT
01893 LECT-DISC 10-12 S 166 EDUC SPRINGER

ED AD 440 ADMINISTRATION AND SUPERVISION OF JUNIOR AND SENIOR HIGH SCHOOLS.
PREREQUISITE--ED. AD. 460 OR CONSENT OF INSTRUCTOR.
1 UNIT
01894 LECT-DISC 7-9PM M 33 EDUC BAUGHMAN

ED AD 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
*1/2 OR 1 UNIT
01895 CONF ARR GRADUATE STAFF

ED AD 460 PUBLIC CONTROL AND ADMINISTRATION OF EDUCATION.
NOT OPEN TO EXPERIENCED ADMINISTRATORS OR TO ANY STUDENTS WHO HAVE TAKEN ANY OF THE FOLLOWING COURSES--OR EQUIVALENT--ED. AD. 430, 440, 461, 462, 464, 465, 466.
1 UNIT
01896 LECT-DISC 7-9PM M 385 EDUC MILLER

ED AD 462 FINANCIAL AND OPERATING STRUCTURES OF PUBLIC EDUCATION.
PREREQUISITE--ED. AD. 460 AND 461 AND 430 OR 440.
1 UNIT
01897 LECT-DISC 5-9PM TH 385 EDUC CHAMBERS

ED AD 463 THE ROLE OF ADMINISTRATIVE LEADERSHIP.
PREREQUISITE--ED. AD. 460 AND 461 AND 430 OR 440.
1 UNIT
01898 LECT-DISC 5-9PM TU 385 EDUC HENCLEY, MILLER

ED AD 466 PUBLIC SCHOOL FINANCE.
PREREQUISITE--ED. AD. 460 AND 430 OR 440 AND CONSENT OF INSTRUCTOR.
1 UNIT
01899 LECT-DISC 9-11 S 25 EDUC MCLURE

ED AD 468 SCHOOL-COMMUNITY RELATIONS.
1 UNIT
01900 LECT-DISC 7-9PM W 1 EDUC CHAMBERS

ED AD 469 LEGAL BASIS OF SCHOOL ADMINISTRATION.
1 UNIT
01901 LECT-DISC 7-9PM W 28 EDUC SUMPTION

ED AD 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS
01902 CONF ARR GRADUATE STAFF

ED AD 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS
01903 CONF ARR GRADUATE STAFF

EDUCATIONAL PRACTICE

DEPARTMENT OFFICE 120 EDUC

APPLICATION FOR ADMISSION TO EDUCATIONAL PRACTICE--ADMISSION TO STUDENT TEACHING IS LIMITED TO THOSE STUDENTS WHO HAVE BEEN ADMITTED TO ADVANCED STANDING IN A TEACHER EDUCATION CURRICULUM. STUDENTS MUST FILE APPLICATION FOR ADMISSION TO EDUCATIONAL PRACTICE DURING THE MONTH OF FEBRUARY PRIOR TO THE SCHOOL YEAR IN WHICH THEY PLAN TO ENROLL FOR THE COURSE. APPLICATIONS ARE ACCEPTED ONLY DURING THE FIRST THREE WEEKS OF THE SECOND SEMESTER. APPLICATION FORMS MAY BE OBTAINED FROM DIRECTOR OF STUDENT TEACHING. STUDENTS WHOSE APPLICATIONS FOR ADMISSION TO EDUCATIONAL PRACTICE ARE APPROVED ARE ELIGIBLE TO ENROLL IN THE COURSE THE FOLLOWING SCHOOL YEAR. CANDIDATES FOR UNIVERSITY OF ILLINOIS TEACHER-EDUCATION DEGREES MUST COMPLETE EDUCATIONAL PRACTICE--STUDENT TEACHING--AT THE UNIVERSITY OF ILLINOIS. EDUCATIONAL PRACTICE--STUDENT TEACHING--IS A COURSE THAT IS PART OF THE PROFESSIONAL SEMESTER THAT CONSTITUTES EITHER THE FALL OR SPRING SEMESTER OF THE DEGREE CANDIDATES SENIOR YEAR.

THE REQUIRED IN-RESIDENCE EDUCATIONAL PRACTICE COURSES--SECONDARY EDUCATION DEGREE CANDIDATES ENROLL IN THE APPROPRIATE SECTION OF ED. PR. 242. PHYS. ED. WOMEN ADDITIONALLY ENROLL IN ED. PR. 232, SECTION D. MUSIC STUDENTS ADDITIONALLY ENROLL IN ED. PR. 232, SECTION C. ELEMENTARY EDUCATION DEGREE CANDIDATES ENROLL IN ED. PR. 232, SECTION A. EDUCATION OF EXCEPTIONAL CHILDREN DEGREE CANDIDATES--EDUCABLE MENTALLY HANDICAPPED STUDENTS ENROLL IN ED. PR. 220, SECTION C AND IN ED. PR. 232, SECTION B. DEAF AND HARD OF HEARING STUDENTS ENROLL IN ED. PR. 220, SECTION D AND IN ED. PR. 232, SECTION B. AGRICULTURAL EDUCATION DEGREE CANDIATES ENROLL IN VO. TEC. 276. HOME ECONOMICS TEACHER EDUCATION DEGREE CANDIDATES ENROLL IN ED. PR. 242, SECTION R. SPEECH CORRECTION CANDIDATES ENROLL IN ED. PR. 220, SECTION B.

COURSES FOR ADVANCED UNDERGRADUATES

ED PR 220 EDUCATIONAL PRACTICE IN THE EDUCATION OF EXCEPTIONAL CHILDREN.
PREREQUISITE--SENIOR STANDING, CONSENT OF DEPARTMENT.
2 TO 5 HOURS
*SECTION A--MENTALLY RETARDED, REQUIRES REGISTRATION IN SP. ED. 323.
3 HOURS
*SECTION B--SPEECH CORRECTION. STUDENTS WHO HAVE NOT COMPLETED SP ED 324 MUST ENROLL IN IT DURING THIS STUDENT-TEACHING SEMESTER. 5 HOURS
*SECTION C--MENTALLY RETARDED. 5 HOURS
*SECTION D--DEAF AND HARD OF HEARING, REQUIRES REGISTRATION IN SP. ED. 320. 3 TO 5 HOURS

01904	PRACT	*A	ARR
01905	PRACT	*B	ARR
01906	PRACT	*C	ARR
01907	PRACT	*D	ARR

ED PR 232 EDUCATIONAL PRACTICE IN ELEMENTARY EDUCATION.
PREREQUISITE--EL. ED. 233 AND 237 AND SENIOR STANDING.
2 TO 5 HOURS
*SECTION A IS FOR STUDENTS IN GENERAL ELEMENTARY CURRICULUM.
5 HOURS
*SECTION B IS FOR STUDENTS IN EXCEPTIONAL CHILDREN CURRICULA.
2 TO 5 HOURS
*SECTION C IS FOR EDUCATIONAL PRACTICE IN MUSIC. 2 HOURS
*SECTION D IS FOR EDUCATIONAL PRACTICE IN PHYSICAL EDUCATION FOR WOMEN. 3 HOURS
*SECTION E IS FOR EDUCATIONAL PRACTICE IN FOREIGN LANGUAGE.
3 HOURS.

01908	PRACT	*A	ARR
01909	PRACT	*B	ARR
01910	PRACT	*C	ARR
01911	PRACT	*D	ARR
01912	PRACT	*E	ARR

ED PR 242 EDUCATIONAL PRACTICE IN SECONDARY EDUCATION.
PREREQUISITE--SE. ED. 240 AND SENIOR STANDING.
2 TO 5 HOURS

5 HOURS	A	P.E. FOR MEN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION B1.
3 OR 5 HOURS	D	P.E. FOR WOMEN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION F2.
3 OR 5 HOURS	F	BIOLOGY, REQUIRES REGISTRATION IN SE. ED. 241, SECTION B4.
3 OR 5 HOURS	G	CHEMISTRY, REQUIRES REGISTRATION IN SE. ED. 241, SECTION B4.
3 OR 5 HOURS	H	GENERAL SCIENCE, REQUIRES REGISTRATION IN SE. ED. 241, SECTION B4.
3 OR 5 HOURS	I	PHYSICS, REQUIRES REGISTRATION IN SE. ED. 241, SECTION B4.
3 OR 5 HOURS	J	SOCIAL STUDIES, REQUIRES REGISTRATION IN SE. ED. 241, SECTION F1.
3 OR 5 HOURS	K	ART, REQUIRES PREVIOUS REGISTRATION IN SE. ED. 241.
3 OR 5 HOURS	L	ENGLISH, REQUIRES REGISTRATION IN SE. ED. 241, SECTION C1, C2 OR C3.
3 OR 5 HOURS	M	SPEECH, REQUIRES REGISTRATION IN SE. ED. 247.
3 OR 5 HOURS	N	FRENCH, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A1 OR A2.
3 OR 5 HOURS	O	LATIN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A1 OR A2.
3 OR 5 HOURS	P	SPANISH, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A1 OR A2.
3 OR 5 HOURS	Q	GERMAN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A1 OR A2.

ED PR242 CONTINUED

5 HOURS R HOME ECONOMICS, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A3.

3 OR 5 HOURS S INDUSTRIAL EDUCATION, REQUIRES PREVIOUS REGISTRATION IN SE. ED. 241.

3 OR 5 HOURS T MATH, REQUIRES REGISTRATION IN SE. ED. 241, SECTION B3.

3 HOURS V MUSIC, REQUIRES REGISTRATION IN SE. ED. 241, SECTION B2.

3 OR 5 HOURS W BUSINESS EDUCATION, REQUIRES PREVIOUS REGISTRATION IN SE. ED. 241.

3 OR 5 HOURS X RUSSIAN, REQUIRES REGISTRATION IN SE. ED. 241, SECTION A1 OR A2.

3 OR 5 HOURS Y LIBRARY SCIENCE, REQUIRES REGISTRATION IN SE. ED. 241, SECTION I.

01913	PRACT	A	ARR	
01914	PRACT	D	ARR	
01915	PRACT	F	ARR	
01916	PRACT	G	ARR	
01917	PRACT	H	ARR	
01918	PRACT	I	ARR	
01919	PRACT	J	ARR	
01920	PRACT	K	ARR	
01921	PRACT	L	ARR	
01922	PRACT	M	ARR	
01923	PRACT	N	ARR	
01924	PRACT	O	ARR	
01925	PRACT	P	ARR	
01926	PRACT	Q	ARR	
01927	PRACT	R	ARR	
01928	PRACT	S	ARR	
01929	PRACT	T	ARR	
01930	PRACT	V	ARR	
01931	PRACT	W	ARR	
01932	PRACT	X	ARR	
01933	PRACT	Y	ARR	

EDUCATIONAL PSYCHOLOGY

DEPARTMENT OFFICE 332 EDUC

COURSES FOR ADVANCED UNDERGRADUATES

EDPSY 211 EDUCATIONAL PSYCHOLOGY.

PREREQUISITE--PSYCH. 100.

3 HOURS

*OPEN ONLY TO STUDENTS REGISTERED FOR STUDENT TEACHING. SECTIONS WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

01934	LECT-DISC	A1	8	M W F	166	EDUC	
01940	LECT-DISC	*A2	8	MTUWTHF	162	EDUC	
01935	LECT-DISC	B1	9	M W F	166	EDUC	GARVERICK
01936	LECT-DISC	B2	9	M W F	2	EDUC	
01941	LECT-DISC	*B3	9	MTUWTHF	162	EDUC	
01942	LECT-DISC	*C	10	MTUWTHF	162	EDUC	
01937	LECT-DISC	D1	11	M W F	192	EDUC	
01943	LECT-DISC	*D2	11	MTUWTHF	162	EDUC	
01944	LECT-DISC	*E	1	MTUWTHF	162	EDUC	
01938	LECT-DISC	F	2	M W F	162	EDUC	
01939	LECT-DISC	X	12	M W F	162	EDUC	

EDPSY 249 INDEPENDENT STUDY.

PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.

2 HOURS

01945	CONF	&A	ARR	STAFF

EDPSY 291 THESIS.

PREREQUISITE--SENIOR STANDING.

2 HOURS

01946	CONF	&A	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

EDPSY 311 PSYCHOLOGY OF LEARNING FOR TEACHERS.
PREREQUISITE--ED. PSY. 211, PRACTICE TEACHING OR TEACHING EXPERIENCE.
2 HOURS, OR 1/2 UNIT

01947	LECT-DISC	A	1-3	M		2	EDUC	BLAIR
01948	LECT-DISC	B	4-6		W	162	EDUC	R SIMPSON
01949	LECT-DISC	C	7-9PM		TH	166	EDUC	JONES
01950	LECT-DISC	S	9-11		S	162	EDUC	JONES

EDPSY 312 MENTAL HYGIENE AND THE SCHOOL.
PREREQUISITE--ED.PSY. 211, PRACTICE TEACHING OR TEACHING EXPERIENCE.
2 HOURS, OR 1/2 UNIT

01951	LECT-DISC	A	7-9PM	M		162	EDUC	GRONLUND
01952	LECT-DISC	B	1-3	TU		385	EDUC	NEWLAND
01953	LECT-DISC	C	4-6		TH	162	EDUC	KACZKOWSKI
01954	LECT-DISC	S	11-1		S	162	EDUC	TOTH

EDPSY 325 INTRODUCTION TO GUIDANCE AND COUNSELING.
PREREQUISITE--EIGHT SEMESTER HOURS IN EDUCATION AND PSYCHOLOGY.
*CREDIT IS NOT GIVEN IN BOTH ED. PSY. 325 AND 425.
*2 HOURS, OR 1/2 UNIT
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

01955	LECT-DISC	*3-5	TU TH	176	EDUC	PROFF

EDPSY 390 ELEMENTS OF EDUCATIONAL STATISTICS.
3 HOURS, OR 1 UNIT

01956	LECT-DISC	A	4-6	M W		242	EDUC	VAN HORN
01957	LECT-DISC	B	1-3	TU TH		242	EDUC	HASTINGS

EDPSY 391 CONSTRUCTION AND USE OF TESTS IN TEACHING.
PREREQUISITE--ED. PSY. 211.
2 HOURS, OR 1/2 OR 1 UNIT

01958	LECT-DISC	4-6	TU	389	EDUC	GRONLUND

EDPSY 392 INTRODUCTION TO THE PRINCIPLES OF MEASUREMENT.
PREREQUISITE--ED. PSY. 211.
2 HOURS, OR 1/2 OR 1 UNIT

01959	LECT-DISC	A	7-9PM	TU		28	EDUC	DAMRIN
01960	LECT-DISC	B	4-6		TH	28	EDUC	GRONLUND

COURSES FOR GRADUATES

EDPSY 411 PSYCHOLOGY OF ADOLESCENCE FOR TEACHERS.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT

01961	LECT-DISC	7-9PM	TU	162	EDUC	BLAIR

EDPSY 412 ADVANCED CHILD DEVELOPMENT FOR STUDENTS OF EDUCATION.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT

01962	LECT-DISC	4-6	W	385	EDUC	AUSUBEL

EDPSY 413 SOCIAL PSYCHOLOGY AND THE PROBLEMS OF EDUCATION.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT

01963	LECT-DISC	9-11	S	385	EDUC	R SIMPSON

EDPSY 415 PSYCHOLOGICAL THEORIES APPLIED TO EDUCATION.
PREREQUISITE--ED. PSY. 311 AND 312, 411 OR 412, CANDIDACY FOR ED. D. OR PH. D. IN EDUCATION.
1 UNIT

01964	LECT-DISC	1-3	TH	385	EDUC	BLAIR

EDPSY 422 BASIC PRINCIPLES OF COUNSELING.
PREREQUISITE--ED. PSY. 311 AND 312.
1 UNIT

01965	LECT-DISC	A	4-6	TU		162	EDUC	HORGER
01966	LECT-DISC	B	7-9PM		W	162	EDUC	BONNEY

EDPSY 423 THE USE OF TESTS IN GUIDANCE.
PREREQUISITE--ED. PSY. 392.
1 UNIT
HOURS TO BE ARRANGED.

01967	LECT-DISC		7-9PM		TH	176	EDUC	J PHILLIPS

EDPSY 424 SUPERVISED PRACTICE IN COUNSELING.
PREREQUISITE--MASTERS DEGREE IN GUIDANCE AND
CONSENT OF FACULTY COMMITTEE.
2 UNITS
*SECTION B FOR STUDENTS ENROLLED IN ACADEMIC YEAR GUID INST.

01968	CONF	A	ARR			188S	EDUC	BRUPHY
01969	CONF	B	ARR					

EDPSY 425 PRINCIPLES OF GUIDANCE.
*CREDIT IS NOT GIVEN IN BOTH ED. PSY. 325 AND 425.
*1 UNIT

01970	LECT-DISC	A	4-6	M		162	EDUC	KACZKOWSKI
01971	LECT-DISC	S	9-11		S	389	EDUC	

EDPSY 426 DIAGNOSTIC AND REMEDIAL PROGRAMS OF THE SCHOOL.
PREREQUISITE--A BASIC COURSE IN THE TEACHING OF READING AND
CONSENT OF INSTRUCTOR.
1 UNIT

01972	LECT-DISC	A	4-6	TU		16	EDUC	CULLITON

EDPSY 427 PRINCIPLES AND TECHNIQUES OF GROUP GUIDANCE.
PREREQUISITE--ED. PSY. 311, 312, 422, 423, AND EITHER 325 OR 425, OR
CONSENT OF INSTRUCTOR.
1 UNIT

01973	LECT-DISC		4-6	M		188S	EDUC	OHLSEN
			7-9PM	M		188S	EDUC	OHLSEN

EDPSY 428 THE ANALYSIS AND USE OF OCCUPATIONAL INFORMATION IN GUIDANCE
PROGRAMS.
PREREQUISITE--ED. PSY. 325 OR 425, OR CONSENT OF INSTRUCTOR.
1 UNIT

01974	LECT-DISC		4-6	W		1	EDUC	KACZKOWSKI

EDPSY 429 FIELD INSTRUCTION IN COUNSELING.
PREREQUISITE--ED. PSY. 422 AND 424--WITH CONSENT OF INSTRUCTOR
ED. PSY. 424 MAY BE TAKEN CONCURRENTLY.
1 OR 2 UNITS

01975	PRACT		ARR					TOTH

EDPSY 447 SEMINAR IN REHABILITATION COUNSELING.
PREREQUISITE--ED. PSY. 326 AND 422.
*MAY BE REPEATED FOR A MAXIMUM OF ONE UNIT.
*1/2 UNIT

01976	LECT-DISC		ARR					TOTH

EDPSY 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
*1/2 OR 1 UNIT

01977	CONF		ARR					GRADUATE STAFF

EDPSY 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION
FOR THE DEGREES OF PH.D. OR ED.D.
1 TO 2 UNITS

01978	LECT-DISC	A	2-4	M W		10	EDUC	
01979	LECT-DISC	B	ARR			188S	EDUC	PATTERSON

EDPSY 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

01980	CONF		ARR					GRADUATE STAFF

EDPSY 492 PSYCHOLOGY OF LEARNING AND INSTRUCTION.
SAME AS PSYCH. 492.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

01981	LECT-DISC		10-12	TU		445	G H	STOLUROW

EDPSY 495 THEORY OF MEASUREMENT.
SAME AS PSYCH. 495.
PREREQUISITE--ED. PSY. 496 OR PSYCH. 307, OR EQUIVALENT
ED. PSY. 392 OR PSYCH. 290 OR EQUIVALENT.
1 UNIT

01982	LECT-DISC		3-5	W	307	G H	TUCKER

EDPSY 496 STATISTICAL METHODS IN EDUCATION.
PREREQUISITE--ED. PSY. 390.
1 UNIT
•LABORATORY HOURS TO BE ARRANGED.

01983	LECT-DISC	A	•4-6	TU TH	242	EDUC	TATSUOKA
01984	LECT-DISC	B	•1-3	M W	242	EDUC	

EDPSY 497 ADVANCED STATISTICAL METHODS IN EDUCATION.
PREREQUISITE--ED. PSY. 496.
1 UNIT

01985	LECT-DISC		1-3	W	25	EDUC	TATSUOKA

EDPSY 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

01986	CONF		ARR				GRADUATE STAF

ELECTRICAL ENGINEERING

DEPARTMENT OFFICE 155 E E B

COURSES FOR UNDERGRADUATES

E E 114 WIRING AND ILLUMINATION.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
•ENGINEERING STUDENTS RECEIVE NO CREDIT.
•3 HOURS

01987	DISC	A	11	M W F	151	E E B	

COURSES FOR ADVANCED UNDERGRADUATES

E E 220 BASIC ELECTRICAL ENGINEERING.
PREREQUISITE--PHYSICS 106 AND 107, AND MATH 143.
3 HOURS

01988	DISC	A	8	M W F	57	E E B	
01989	DISC	B	8	TU TH S	57	E E B	
01990	DISC	C	9	M W F	136	E E B	
01991	DISC	D	9	TU TH S	57	E E B	
01992	DISC	E	10	TU TH S	254	E E B	
01993	DISC	F	10	M W F	136	E E B	
01994	DISC	G	1	M W F	57	E E B	
01995	DISC	H	2	M W F	57	E E B	
01996	DISC	I	3	M W F	136	E E B	
01997	DISC	J	4	M W F	136	E E B	

E E 229 INTRODUCTION TO ELECTROMAGNETIC FIELDS.
PREREQUISITE--PHYCS. 107, T.A.M. 154, MATH. 345, CREDIT OR
REGISTRATION IN E.E. 250.
3 HOURS

01998	DISC	A	8	M W F	254	E E B	
01999	DISC	B	8	TU TH S	254	E E B	
02000	DISC	C	9	TU TH S	254	E E B	
02001	DISC	D	9	M W F	254	E E B	
02002	DISC	E	11	M W F	254	E E B	
02003	DISC	F	1	M W F	254	E E B	
02004	DISC	G	3	M W F	254	E E B	

E E 230 APPLICATION AND CONTROL OF MOTORS AND EQUIPMENT.
PREREQUISITE--E E 220.
2 HOURS

02005	DISC	A	8	M W	161	E	E	B
02006	DISC	B	8	TU TH	162	E	E	B
02007	DISC	C	10	M W	163	E	E	B
02008	DISC	D	11	M W	136	E	E	B
02009	DISC	E	2	TU TH	136	E	E	B

E E 231 POWER EQUIPMENT LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E E 230.
1 HOUR

02010	LAB	A	3-6	M	50M	E	E	B
02011	LAB	B	9-12	TU	50M	E	E	B
02012	LAB	C	2-5	TU	50M	E	E	B
02013	LAB	D	2-5	TH	50M	E	E	B
02014	LAB	E	9-12	S	50M	E	E	B

E E 232 ELECTRONICS AND ELECTRONICS APPLICATIONS.
PREREQUISITE--E E 220.
2 HOURS

02015	DISC	A	8	M W	163	E	E	B
02016	DISC	B	8	TU TH	133	E	E	B
02017	DISC	C	10	M W	162	E	E	B
02018	DISC	D	11	TU TH	57	E	E	B

E E 233 ELECTRONICS LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E.E. 232.
1 HOUR

02019	LAB	A	9-12	TU	135	E	E	B
02020	LAB	B	2-5	TU	135	E	E	B
02021	LAB	C	2-5	TH	135	E	E	B
02022	LAB	D	9-12	S	135	E	E	B

E E 234 ELECTRICAL INSTRUMENTS AND MEASUREMENTS.
PREREQUISITE--E E 220.
2 HOURS

02023	DISC	A	8	TU TH	136	E	E	B
02024	DISC	B	9	TU TH	136	E	E	B
02025	DISC	C	10	M W	162	E	E	B
02026	DISC	D	10	TU TH	57	E	E	B
02027	DISC	E	3	M W	260	E	E	B

E E 235 ELECTRICAL MEASUREMENT LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 234.
1 HOUR

02028	LAB	A	3-6	M	137	E	E	B
02029	LAB	B	2-5	TU	137	E	E	B
02030	LAB	C	3-6	W	137	E	E	B
02031	LAB	D	2-5	TH	137	E	E	B
02032	LAB	E	9-12	S	137	E	E	B

E E 250 LINEAR NETWORK THEORY I.
PREREQUISITE--PHYCS. 107, CREDIT OR REGISTRATION IN E. E. 251, MATH. 195 AND 345.
5 HOURS
•&XH IS HONORS SECTION.

02033	DISC	A	8	MTUWTHF	59	E	E	B
02034	DISC	B	9	MTUWTHF	141	E	E	B
02035	DISC	C	9	MTUWTHF	59	E	E	B
02036	DISC	D	10	MTUWTHF	59	E	E	B
02037	DISC	E	11	MTUWTHF	59	E	E	B
02041	DISC	•&XH	11	MTUWTHF	169	E	E	B
02038	DISC	F	1	MTUWTHF	59	E	E	B
02039	DISC	G	2	MTUWTHF	59	E	E	B
02040	DISC	I	3	MTUWTHF	59	E	E	B

E E 251 CIRCUIT LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 250.
1 HOUR
•&XH IS HONORS SECTION

02042	LECT	M	8		TH	269	E E B
02043	LECT	N	1		TH	269	E E B
02044	LAB	A	10-12	M		50H	E E B
02045	LAB	B	3-5	M		50H	E E B
02046	LAB	C	1-3	TU		50H	E E B
02047	LAB	D	8-10	W		50H	E E B
02048	LAB	E	10-12		TH	50H	E E B
02049	LAB	F	3-5		TH	50H	E E B
02050	LAB	G	3-5		F	50H	E E B
02053	LAB	•&XH	8-10		F	50H	E E B
02051	LAB	I	8-10		S	50H	E E B
02052	LAB	J	10-12		S	50H	E E B

E E 271 ELECTRICAL ENGINEERING PROBLEMS.
PREREQUISITE--APPROVED WRITTEN APPLICATION TO DEPARTMENT.
1 TO 4 HOURS
•SECTION M IS RESTRICTED TO STUDENTS ENROLLED IN U OF I NSF PROGRAM IN ELECTRONICS.

02054	DISC	A	7PM	TU TH	257	E E B
02055	DISC	B	8	M W F	269	E E B
02056	DISC	C	10	M W F	252	E E B
02057	DISC	I	ARR			
02058	DISC	•M	ARR			

E E 272 ELECTRICAL ENGINEERING PROBLEMS.
PREREQUISITE--APPROVED WRITTEN APPLICATION TO DEPARTMENT.
1 TO 4 HOURS

02059	DISC	A	8	M W F	252	E E B
02060	DISC	I	ARR			

E E 288 ECONOMIC ASPECTS OF ENGINEERING.
SAME AS G. E. 288.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING, ECON. 108 OR CONSENT OF INSTRUCTOR.
3 HOURS

02061	DISC	A	8	M W F	260	E E B
02062	DISC	B	9	M W F	260	E E B
02063	DISC	C	9	TU TH S	260	E E B
02064	DISC	D	11	M W F	260	E E B
02065	DISC	E	2	M W F	269	E E B
02066	DISC	F	4	M W F	260	E E B

E E 294 INTRODUCTION TO THE THEORY OF DIGITAL MACHINES.
SAME AS MATH. 294.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING OR MATHEMATICS.
3 HOURS

02067	LECT-DISC	C	10	M W F	269	E E B

E E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 GRADE POINT AVERAGE.
1 TO 4 HOURS

02068	CONF	&XH	2	TU	236	E E B

E E 297 HONORS SEMINAR.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 GRADE POINT AVERAGE.
1 TO 4 HOURS

02069	CONF	&XH	3-5	TU	141	E E B

E E 299 THESIS.
0 TO 3 HOURS

02070	CONF	&A	ARR	

E E 322 LINEAR NETWORK THEORY, II.
PREREQUISITE--E.E. 250, 251, MATH. 195, 345.
4 HOURS, OR 0 TO 1 UNIT
*SECTION &XH IS AN HONORS SECTION.

02071	DISC	A	8	MTU THF	170	E E B
02072	DISC	B	10	MTU THF	170	E E B
02073	DISC	C	11	MTU THF	170	E E B
02074	DISC	D	11	MTU THF	269	E E B
02075	DISC	E	1	MTU THF	170	E E B
02076	DISC	F	1	MTU THF	169	E E B
02077	DISC	G	2	MTU THF	169	E E B
02078	DISC	*&XH	9	MTU THF	170	E E B

E E 323 CIRCUIT LABORATORY.
PREREQUISITE--E. E. 250 AND 251, CREDIT OR REGIST[illegible] I.
E. E. 322 AND 350.
1 HOUR, OR 0 OR 1/4 UNIT
*SECTION &XH IS AN HONORS SECTION.

02079	LAB	A	2-5	M	132	E E B
02080	LAB	B	9-12	TU	132	E E B
02081	LAB	C	12-3	TU	132	E E B
02082	LAB	D	3-6	TU	132	E E B
02083	LAB	E	2-5	W	132	E E B
02084	LAB	F	9-12	TH	132	E E B
02085	LAB	G	12-3	TH	132	E E B
02089	LAB	*&XH	3-6	TH	132	E E B
02086	LAB	I	9-12	F	132	E E B
02087	LAB	J	2-5	F	132	E E B
02088	LAB	K	8-11	S	132	E E B

E E 324 INTRODUCTION TO NETWORK SYNTHESIS.
PREREQUISITE--E. E. 322.
3 HOURS, OR 0 TO 1 UNIT

02090	DISC	A	9	M W F	168	E E B
02091	DISC	B	11	M W F	257	E E B
02092	DISC	C	2	M W F	161	E E B

E E 330 MAGNETIC CIRCUITS AND TRANSFORMERS.
PREREQUISITE--E.E. 229, 250, 251, CREDIT OR REGISTRATION IN E.E. 331
3 HOURS, OR 0 OR 3/4 UNIT
*SECT. &XH IS AN HONORS SECTION
*STUDENTS IN SECT. B MUST REGISTER FOR E.E. 331 SECTION B.

02093	DISC	A	8	M W F	162	E E B
02100	DISC	*B	9	M W F	57	E E B
02094	DISC	C	9	M W F	163	E E B
02095	DISC	D	10	M W F	161	E E B
02096	DISC	E	10	TU TH S	163	E E B
02097	DISC	F	1	M W F	163	E E B
02098	DISC	G	3	M W F	163	E E B
02099	DISC	*&XH	3	M W F	57	E E B

E E 331 MAGNETIC CIRCUITS AND TRANSFORMER LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 330.
1 HOUR, OR 0 OR 1/4 UNIT
*SECT. &XH IS AN HONORS SECTION.
*STUDENTS IN SECT. B MUST REGISTER IN E.E. 330 SECTION B.

02101	LAB	A	2-5	M	50K	E E B
02110	LAB	*B	8-11	TU	50K	E E B
02109	LAB	*&XH	12-3	TU	50K	E E B
02102	LAB	C	3-6	TU	50K	E E B
02103	LAB	D	2-5	W	50K	E E B
02104	LAB	E	9-12	TH	50K	E E B
02105	LAB	F	12-3	TH	50K	E E B
02106	LAB	G	3-6	TH	50K	E E B
02107	LAB	I	2-5	F	50K	E E B
02108	LAB	J	8-11	S	50K	E E B

E E 332 ELECTRICAL MACHINERY.
PREREQUISITE--E E 330 AND 331, CREDIT OR REGISTRATION IN E E 333.
3 HOURS, OR 0 OR 3/4 UNIT

02111	DISC	A	8	M W F	169	E E B
02112	DISC	B	8	TU TH S	141	E E B
02113	DISC	C	8	TU TH S	163	E E B
02114	DISC	D	9	M W F	169	E E B
02115	DISC	E	9	TU TH S	163	E E B
02116	DISC	F	1	M W F	169	E E B
02117	DISC	G	2	M W F	168	E E B

E E 333 ELECTRICAL MACHINERY LABORATORY.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 332.
1 HOUR, OR 0 OR 1/4 UNIT

02118	LAB	A	2-5	M	50F	E E B
02119	LAB	B	9-12	TU	50F	E E B
02120	LAB	C	12-3	TU	50F	E E B
02121	LAB	D	3-6	TU	50F	E E B
02122	LAB	E	2-5	W	50F	E E B
02123	LAB	F	9-12	TH	50F	E E B
02124	LAB	G	12-3	TH	50F	E E B
02125	LAB	H	3-6	TH	50F	E E B
02126	LAB	I	2-5	F	50F	E E B
02127	LAB	J	9-12	S	50F	E E B

E F 336 ADVANCED ANALYSIS OF ELECTRIC POWER EQUIPMENT.
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 332, 333.
4 HOURS, OR 0 OR 3/4 UNIT

02128	DISC	A	9	M W F	252	E E B

E E 340 ELECTRONICS.
PREREQUISITE--E. E. 250 AND 251.
3 HOURS, OR 0 OR 3/4 UNIT

02129	DISC	A	8	TU TH S	250	E E B
02130	DISC	B	9	M W F	250	E E B
02131	DISC	C	10	M W F	250	E E B
02132	DISC	D	10	M W F	141	E E B
02133	DISC	E	10	TU TH S	250	E E B
02134	DISC	F	11	M W F	250	E E B
02135	DISC	G	11	M W F	141	E E B
02136	DISC	H	1	M W F	250	E E B

E E 341 ELECTRONICS LABORATORY
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 340.
1 HOUR, OR 0 OR 1/4 UNIT

02137	LAB	A	1-3	M	235	E E B
02138	LAB	B	3-5	M	235	E E B
02139	LAB	C	8-10	TU	235	E E B
02140	LAB	D	10-12	TU	235	E E B
02141	LAB	E	1-3	TU	235	E E B
02142	LAB	F	3-5	TU	235	E E B
02143	LAB	G	1-3	W	235	E E B
02144	LAB	H	3-5	W	235	E E B
02145	LAB	I	8-10	TH	235	E E B
02146	LAB	J	10-12	TH	235	E E B
02147	LAB	K	1-3	TH	235	E E B
02148	LAB	L	3-5	TH	235	E E B

E E 342 ADVANCED ELECTRONICS.
PREREQUISITE--E. E. 322, 340 AND 341.
3 HOURS, OR 0 OR 3/4 UNIT
*SECTION RESTRICTED TO STUDENTS ENROLLED IN U OF I NSF PROGRAM IN ELECTRONICS.

02149	DISC	A	8	M W F	168	E E B
02150	DISC	B	9	TU TH S	168	E E B
02151	DISC	C	10	M W F	169	E E B
02152	DISC	D	11	M W F	161	E E B
02153	DISC	E	1	M W F	269	E E B
02154	DISC	F	1	M W F	252	E E B
02155	DISC	G	2	M W F	250	E E B
02156	DISC	H	10	TU TH S	169	E E B
02157	DISC	*M	11	MTU THF	168	E E B

E E 343 ELECTRONICS LABORATORY
PREREQUISITE--CREDIT OR REGISTRATION IN E. E. 342.
1 HOUR, OR 0 OR 1/4 UNIT
*SECTION RESTRICTED TO STUDENTS ENROLLED IN U OF I NSF PROGRAM IN ELECTRONICS.

02158	LAB	A	2-5	M		238	E E	B
02159	LAB	B	9-12		TU	238	E E	B
02160	LAB	C	12-3		TU	238	E E	B
02161	LAB	D	3-6		TU	238	E E	B
02162	LAB	E	2-5		W	238	E E	B
02163	LAB	F	8-11		W	238	E E	B
02164	LAB	G	12-3		TH	238	E E	B
02165	LAB	H	3-6		TH	238	E E	B
02166	LAB	I	2-5		F	238	E E	B
02167	LAB	J	8-11		S	238	E E	B
02168	LAB	*M	8-11		TH	238	E E	B

E E 347 INDUSTRIAL ELECTRONICS.
PREREQUISITE--E. E. 322, 332, 342.
*CREDIT IS NOT GIVEN FOR BOTH E. E. 347 AND E. E. 381.
*4 HOURS, OR 0 OR 1 UNIT
*SECTION RESTRICTED TO STUDENTS ENROLLED IN U OF I NSF PROGRAM IN ELECTRONICS.

02169	DISC	A	10	M W F		57	E E	B
02169	LAB	A	2-5		TH	50N	E E	B
02170	DISC	*M	1	MTUW F		136	E E	B
02170	LAB	*M	2-5		TU	50N	E E	B

E E 349 ELECTRON TUBE CIRCUITS.
PREREQUISITE--E.E. 342.
4 HOURS, OR 0 OR 1 UNIT

02171	DISC	A	1	MTU THF		162	E E	B
02172	DISC	B	2	MTU THF		162	E E	B

E E 350 LINES, FIELDS, AND WAVES.
PREREQUISITE--E. E. 229, MATH. 195, CREDIT OR REGISTRATION IN E. E. 323.
3 HOURS OR 3/4 UNIT

02173	DISC	A	8	M W F		250	E E	B
02174	DISC	B	8	TU TH S		257	E E	B
02175	DISC	C	9	M W F		257	E E	B
02176	DISC	D	10	M W F		257	E E	B
02177	DISC	E	10	M W F		133	E E	B
02178	DISC	F	1	M W F		141	E E	B
02179	DISC	G	2	M W F		257	E E	B
02180	DISC	H	3	M W F		257	E E	B

E E 352 ELECTROMAGNETIC FIELDS.
PREREQUISITE--E. E. 350, 323, CONCURRENT REGISTRATION IN E. E. 356 IS RECOMMENDED.
3 HOURS, OR 3/4 UNIT

02181	DISC	A	8	M W F		133	E E	B
02182	DISC	B	8	TU TH S		168	E E	B
02183	DISC	C	10	TU TH S		133	E E	B
02184	DISC	D	11	M W F		133	E E	B
02185	DISC	E	11	M W F		57	E E	B
02186	DISC	F	1	M W F		133	E E	B
02187	DISC	G	2	M W F		133	E E	B
02188	DISC	H	2	M W F		136	E E	B

E E 353 RADIO CIRCUITS.
PREREQUISITE--E E 322 AND 340.
4 HOURS, OR 0 OR 1 UNIT

02189	DISC	A	10	M W F		260	E E	B
02190	DISC	B	1	M W F		260	E E	B
02191	LAB	P	3-6		TU	246	E E	B
02192	LAB	Q	9-12		TH	246	E E	B
02193	LAB	R	12-3		TH	246	E E	B

E E 355 FIELDS AND WAVES.
PREREQUISITE--E.E. 229 AND 350, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 0 OR 3/4 UNIT

02194	DISC	A	8	M W F		141	E E	B
02195	DISC	B	11	M W F		162	E E	B

E E 356 MICRO WAVE TECHNIQUES.
PREREQUISITE--CREDIT OR REGISTRATION IN E.E. 352 OR 355.
1 HOUR, OR 0 OR 1/4 UNIT

02196	LAB	A	9-12	TU	251	E E B
02197	LAB	B	2-5	TU	251	E E B
02198	LAB	C	3-6	TH	251	E E B

E E 359 INTRODUCTION TO NOISE AND INFORMATION TRANSMISSION.
PREREQUISITE--E E 322, CREDIT OR REGISTRATION IN E E 342.
3 HOURS, OR 3/4 OR 1 UNIT

02199	DISC	A	11	TU TH S	161	E E B

E E 375 SYMMETRICAL COMPONENT ANALYSIS OF POWER SYSTEMS.
PREREQUISITE--E E 350, CREDIT OR REGISTRATION IN E E 332.
3 HOURS, OR 0 OR 1 UNIT

02200	DISC	A	2	M W F	252	E E B

E E 378 ELECTRIC POWER NETWORKS.
PREREQUISITE--E E 350, CREDIT OR REGISTRATION IN E E 332.
3 HOURS, OR 0 OR 1 UNIT

02201	DISC	A	8	M W F	257	E E B

E E 381 PULSE TECHNIQUES.
PREREQUISITE--E. E. 322, 340, AND 341, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH E. E. 347 AND E. E. 381.
*4 HOURS, OR 0 OR 1 UNIT

02202	DISC	A	9	M W F	136	E E B
02202	LAB	A	8-11	S	234	E E B
02203	DISC	B	11	TU TH S	136	E E B
02203	LAB	B	2-5	TU	234	E E B
02204	DISC	C	2	M W F	254	E E B
02204	LAB	C	2-5	TH	234	E E B
02205	DISC	D	11	TU TH S	254	E E B
02205	LAB	D	2-5	W	234	E E B

E E 382 TRANSISTOR CIRCUITS.
PREREQUISITE--E. E. 342 AND 343, CREDIT OR REGISTRATION IN
MET. E. 384, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

02206	DISC	A	9	M W F	269	E E B
02207	DISC	B	10	M W F	254	E E B
02208	DISC	C	10	TU TH S	136	E E B
02209	DISC	C	11	M W F	163	E E B
02210	LAB	P	12-3	TU	241	E E B
02211	LAB	Q	3-6	TU	241	E E B
02212	LAB	R	2-5	W	241	E E B

E E 383 TRANSISTOR CIRCUITS.
PREREQUISITE--E. E. 342 AND 343, CREDIT OR REGISTRATION IN
MET. E. 384, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

02213	DISC	A	9	M W F	269	E E B
02214	DISC	B	10	M W F	254	E E B
02215	DISC	C	10	TU TH S	136	E E B
02216	DISC	D	11	M W F	163	E E B

E E 386 FUNDAMENTALS OF SERVOMECHANISMS.
PREREQUISITE--SENIOR STANDING IN ELECTRICAL ENGINEERING, OR
CONSENT OF INSTRUCTOR.
4 HOURS, OR 0 OR 1 UNIT

02217	DISC	A	1	M W F	161	E E B
02218	DISC	B	2	M W F	141	E E B
02219	DISC	C	3	M W F	161	E E B
02220	LAB	P	2-5	TH	268	E E B
02221	LAB	Q	8-11	TU	268	E E B
02222	LAB	R	12-3	TU	268	E E B
02223	LAB	S	9-12	TH	268	E E B
02224	LAB	T	9-12	S	268	E E B

E E 388 ELECTRONIC ANALOG COMPUTERS.
PREREQUISITE--E.E. 340, 341, MATH. 345 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 0 OR 1 UNIT

02225	DISC	A	10	TU TH S	168	E E B
02226	LAB	P	1-3	W	262	E E B
02227	LAB	Q	1-3	TH	262	E E B
02228	LAB	R	3-5	TH	262	E E B

E E 389 COMMUNICATION DESIGN.
PREREQUISITE--E.E. 342 AND E.E. 350.
3 HOURS, OR 0 OR 3/4 UNIT
02229 DISC A 9 M W F 161 E E B

E E 391 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, I.
SAME AS MATH. 391.
PREREQUISITE--SENIOR STANDING AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
02230 DISC D 11 M W F 56 M E B

E E 392 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, II.
SAME AS MATH. 392.
PREREQUISITE--E. E. 391.
3 HOURS, OR 1/2 OR 1 UNIT
02231 DISC D 11 M W F 60 M E B

E E 393 DIGITAL COMPUTER ELECTRONICS
PREREQUISITE--E.E. 294, 340 AND 341 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
02232 DISC B 9 M W F 133 E E B

E E 394 LOGICAL DESIGN OF AUTOMATIC DIGITAL COMPUTER CIRCUITS.
SAME AS MATH. 394.
PREREQUISITE--E. E. 294, SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
02233 DISC F 2 M W F 260 E E B

COURSES FOR GRADUATES

E E 400 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS.
NO CREDIT
02234 LECT-DISC A 4 TH 151 E E B MAYES

E E 415 CONTROL SYSTEM THEORY AND DESIGN.
PREREQUISITE--E.E. 386 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
1 UNIT
02235 LECT-DISC A 2 M W F 335 E E B KUO

E E 416 ANALYSIS OF LINEAR NETWORKS AND SYSTEMS.
PREREQUISITE--CREDIT OR REGISTRATION IN MATH. 346 OR 348, E.E. 322
OR EQUIVALENT.
1 UNIT
02236 LECT-DISC A 9 M W F 335 E E B LICHTENBERGER
02237 LECT-DISC B 2 M W F 163 E E B METZE

E E 418 ELECTRIC AND MAGNETIC FIELDS.
1 UNIT
02238 LECT-DISC A 8 M W F 335 E E B EMERY

E E 420 ELECTROMAGNETIC WAVES AND RADIATING SYSTEMS.
PREREQUISITE--E.E. 352.
1 UNIT
02239 LECT-DISC A 10 M W F 335 E E B KLOCK
02240 LECT-DISC B 1 M W F 335 E E B MAST

E E 421 ADVANCED ELECTROMAGNETIC ENGINEERING.
PREREQUISITE--E E 420.
1 UNIT
02241 LECT-DISC A 2-320 TU TH 335 E E B MAYES

E E 422 ADVANCED COMMUNICATION NETWORKS.
1 UNIT
02242 LECT-DISC A 9 M W F 162 E E B SKRODER

E E 423 GASEOUS ELECTRONICS AND PLASMAS.
PREREQUISITE--PHYCS. 362 AND E. E. 420 OR EQUIVALENT.
1 UNIT
02243 LECT-DISC A 8-920 TU TH 169 E E B CAHN

E E 429 VACUUM TUBE CIRCUIT ANALYSIS.
1 UNIT
02244 LECT-DISC A 3 M W F 335 E E B FETT

E E 433 INTRODUCTION TO STATISTICAL COMMUNICATION THEORY.
PREREQUISITE--E. E. 416 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT
02245 LECT-DISC A 930-11 TU TH 162 E E B ASH

E E 435 CONDUCTION OF ELECTRICITY IN SOLIDS.
SAME AS PHYCS. 435.
PREREQUISITE--PHYCS. 381 OR 383 OR CONSENT OF INSTRUCTOR.
1 UNIT
02246 LECT-DISC A 130-3 TU TH 161 E E B HANDLER

E E 436 APPLIED ELECTRODYNAMICS.
PREREQUISITE--E.E. 420 AND 423.
1 UNIT
02247 LECT-DISC A 2 M W F 170 E E B SIRKIS

E E 437 PRINCIPLES OF MICROWAVE MEASUREMENTS.
PREREQUISITE--E. E. 355 AND E. E. 356.
1 UNIT
02248 LECT-DISC A 3 M W F 162 E E B DYSON

E E 445 POWER SYSTEM STABILITY.
PREREQUISITE--E.E. 440.
1 UNIT
02249 LECT-DISC A 11 M W F 252 E E B HELM

E E 451 NETWORK SYNTHESIS.
PREREQUISITE--MATH. 345.
1 UNIT
02250 LECT-DISC A 1 M W F 257 E E B CHIEN

E E 452 NETWORK SYNTHESIS.
PREREQUISITE--E.E. 451.
1 UNIT
02251 LECT-DISC A 9-11 TU TH 252 E E B KISHI

E E 453 OPTIMUM CONTROL SYSTEMS.
PREREQUISITE--E. E. 415.
1 UNIT
02252 LECT-DISC A 11 M W F 335 E E B PERKINS

E E 472 QUANTUM ELECTRONICS.
PREREQUISITE--PHYCS. 381.
1 UNIT
02253 LECT-DISC A 9-1020 TU TH 161 E E B COLEMAN

E E 486 CONSTITUTION OF THE IONOSPHERE--AN INTRODUCTION TO AERONOMY.
SAME AS ASTR. 486.
PREREQUISITE--GRADUATE STANDING IN ELECTRICAL ENGINEERING, PHYSICS, OR ASTRONOMY, MATH. 341 OR EQUIVALENT.
1 UNIT
02254 LECT-DISC A 10-1120 TU TH 335 E E B BOWHILL

E E 498 ELECTRICAL ENGINEERING PROBLEMS.
PREREQUISITE--GRADUATE STANDING IN ELECTRICAL ENGINEERING.
1/2 TO 2 UNITS
02255 LECT-DISC A 8 TU TH S 161 E E B
02256 LECT-DISC B 830-10 TU TH 335 E E B
02257 LECT-DISC C 3 M W F 141 E E B
02258 LECT-DISC C 1-220 TU TH 141 E E B
02259 LECT-DISC E 7PM TU TH 257 E E B
02260 LECT-DISC I ARR
OTHER HOURS TO BE ARRANGED.

E E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
02261 CONF I ARR

ELEMENTARY EDUCATION

DEPARTMENT OFFICE 306 EDUC

COURSES FOR UNDERGRADUATES

EL ED 101 NATURE OF THE TEACHING PROFESSION.
2 HOURS
*HONORS SECTION RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED THE CONSENT OF THE INSTRUCTOR.

02262	LECT		8		TH	112	G H	JOHNSON
02269	DISC	*&1	9		TH	210B	E B	JOHNSON
02263	DISC	2	8	TU		33	EDUC	
02264	DISC	3	9	TU		389	EDUC	
02265	DISC	4	11	TU		33	EDUC	
02266	DISC	5	11		TH	33	EDUC	
02267	DISC	6	2	TU		162	EDUC	
02268	DISC	7	2		TH	162	EDUC	

COURSES FOR ADVANCED UNDERGRADUATES

EL ED 230 PRINCIPLES OF ELEMENTARY EDUCATION.
PREREQUISITE--SENIOR STANDING, CONCURRENT REGISTRATION IN EL. ED. 231 AND ED. PR. 232.
2 HOURS
*OPEN ONLY TO STUDENT TEACHERS.

02271	LECT-DISC	*M	8-10	TU TH	385	EDUC	
02270	LECT-DISC	*K	10-12	TU TH	385	EDUC	STENDLER
02272	LECT-DISC	*P	1-3	TU TH	192	EDUC	JOHNSON
02273	LECT-DISC	*R	3-5	TU TH	385	EDUC	

EL ED 231 TECHNIC OF TEACHING IN THE ELEMENTARY SCHOOL.
PREREQUISITE--EL. ED. 233, 236, AND 237, AND CONCURRENT REGISTRATION IN ED. PR. 220 OR 232.
3 HOURS
*OPEN ONLY TO STUDENT TEACHERS.

02285	LECT	*A	7-10PM	W	2	EDUC	CHALTAS
02274	DISC	1	7-10PM	W	25	EDUC	
02275	DISC	2	7-10PM	W	385	EDUC	
02276	DISC	3	7-10PM	W	176	EDUC	
02277	DISC	4	7-10PM	W	16	EDUC	
02278	DISC	5	7-10PM	W	160	EDUC	
02279	DISC	6	7-10PM	W	327	G H	
02280	DISC	7	7-10PM	W	194	L H	
02281	DISC	8	7-10PM	W	240	L H	
02282	DISC	9	7-10PM	W	210A	E B	
02283	DISC	10	7-10PM	W	303	E B	
02284	DISC	11	7-10PM	W	2	EDUC	

EL ED 233 CLASSROOM PROGRAMS IN CHILDHOOD EDUCATION.
PREREQUISITE--JUNIOR STANDING, EL. ED. 236.
2 HOURS
*SECTIONS A,B, AND C MEET 9-12 MTUWTHF FOR SIX WEEKS OBSERVATION IN LOCAL SCHOOLS. THESE SECTIONS ARE TO BE TAKEN CONCURRENTLY WITH THE SAME SECTIONS OF EL. ED. 237.
*SECTIONS P AND R ONLY FOR STUDENTS WHO HAVE COMPLETED EL. ED. 236 AND 237.

02286	LECT-DISC	*A	10	TU		389	EDUC	MANOLAKES
		*A	12		TH	103	M H	
02287	LECT-DISC	*B	10	W		389	EDUC	MANOLAKES
		*B	12		TH	103	M H	
02288	LECT-DISC	*C	10		TH	389	EDUC	MANOLAKES
		*C	12		TH	103	M H	
02289	LECT-DISC	*P	3-5	W		389	EDUC	
02290	LECT-DISC	*R	3-5		TH	389	EDUC	BARNES

EL ED 235 TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL.
PREREQUISITE--EL. ED. 101, JUNIOR STANDING.
3 HOURS.
*SECTIONS A AND E1 FOR STUDENT TEACHERS ONLY.

02292	LECT-DISC	*A	8-10	M W F	385	EDUC	
02293	LECT-DISC	*E1	1-3	M W F	389	EDUC	
02291	LECT-DISC	E2	1	M W F	385	EDUC	

EL ED 236 CHILD DEVELOPMENT FOR ELEMENTARY TEACHERS.
PREREQUISITE--PSYCH. 100, EL. ED. 101.
3 HOURS
*SECTION 6B HONORS SECTION. RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS, OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED CONSENT OF INSTRUCTOR.

02296	LECT-DISC	*6B	9	M	W	F	389	EDUC		STENDLER
02294	LECT-DISC	C	10	M	W	F	192	EDUC		
02295	LECT-DISC	G	3	M	W	F	385	EDUC		

EL ED 237 CHILD DEVELOPMENT FOR ELEMENTARY TEACHERS.
PREREQUISITE--EL. ED. 236, CONCURRENT REGISTRATION IN EL. ED. 233.
3 HOURS
ALL SECTIONS MEET 9-12 MTUWTHF FOR SIX WEEKS OBSERVATION IN LOCAL SCHOOLS.
*SECTIONS A, B, C, TO BE TAKEN CONCURRENTLY WITH SAME SECTIONS OF EL. ED. 233.

02303	LECT	*A	11		TU		389	EDUC		
02297	LAB	A1	3-5		TU		33	EDUC		
02298	LAB	A2	3-5			TH	33	EDUC		
02304	LECT	*B	11			W	389	EDUC		
02299	LAB	B1	10-12			F	33	EDUC		
02300	LAB	B2	10-12	M			33	EDUC		
02305	LECT	*C	11			TH	389	EDUC		
02301	LAB	C1	10-12			F	25	EDUC		
02302	LAB	C2	10-12	M			25	EDUC		

EL ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

02306	CONF	&A	ARR	STAFF

EL ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

02307	CONF	&A	ARR	STAFF

EL ED 292 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

02308	CONF	&A	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

EL ED 335 SCIENCE IN THE ELEMENTARY SCHOOL.
PREREQUISITE--EL. ED. 233 AND 237, OR EQUIVALENT, TWO YEARS OF COLLEGE SCIENCE.
3 HOURS, OR 1/2 UNIT
*LECTURE 1 REQUIRES TWO ADDITIONAL HOURS TO BE ARRANGED. LECTURE 2 REQUIRES FOUR ADDITIONAL LAB HOURS TO BE ARRANGED. THE LABORATORY WILL BE OPEN DAILY-SEE SCHEDULE AT LAB. LECTURE 2 OPEN TO STUDENT TEACHERS ONLY.

02309	LECT	*1	3-5	M			4G	EDUC	ATKIN
02309	LAB	*1	ARR						
02310	LECT	*2	3-5		W		4G	EDUC	GOULD
02310	LAB	*2	ARR						

EL ED 336 PRIMARY READING.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
*SECTION A, C, AND E OPEN TO STUDENT TEACHERS ONLY.

02313	LECT-DISC	*A	8-10	M	W	F	176	EDUC	SHORES
02314	LECT-DISC	*C	10-12	M	W	F	176	EDUC	CULLITON
02315	LECT-DISC	*E	1-3	M	W	F	192	EDUC	
02311	LECT-DISC	G	3	M	W	F	162	EDUC	
02312	LECT-DISC	S	9-11			S	176	EDUC	MOORE

EL ED 337 ART EDUCATION IN THE ELEMENTARY SCHOOL.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
*SECTION C1 OPEN TO STUDENT TEACHERS ONLY.

02319	LECT-DISC	*C1	10	MTWTHF	62	K M		SCHULTZ
02316	LECT-DISC	C2	10	M W F	106	F A B		LANSING
02317	LECT-DISC	L	1	M W F	107	F A B		BREEN
02318	LECT-DISC	F	3	M W F	62	K M		BREEN

COURSES FOR GRADUATES

EL ED 431 ELEMENTARY SCHOOL CLASSROOM PROGRAMS.
1 UNIT

02320	LECT-DISC	A	7-9PM	W	192	EDUC		BARNES
02321	LECT-DISC	B	7-9PM	TH	192	EDUC		JOHNSON

EL ED 433 CURRICULUM PROBLEMS AND TRENDS IN SPECIAL FIELDS OF ELEMENTARY EDUCATION.
PREREQUISITE--EL. ED. 431, LANGUAGE ARTS SECTION--EL. ED. 336 OR A COURSE IN THE TEACHING OF READING OR LANGUAGE ARTS, OR CONSENT OF INSTRUCTOR, CREATIVE ARTS SECTION--EL. ED. 337 OR CONSENT OF INSTRUCTOR, SCIENCE SECTION--EL. ED. 335 OR A METHODS COURSE IN TEACHING SCIENCE IN THE ELEMENTARY SCHOOL AND TWO YEARS OF COLLEGE SCIENCE, OR CONSENT OF INSTRUCTOR.
1 UNIT
*SECTION A IS FOR LANGUAGE ARTS, *SECTION IS FOR SOCIAL STUDIES.
*SECTION C IS FOR ARITHMETIC.

02322	LECT-DISC	*A	7-9PM	W	166	EDUC		MOORE
02323	LECT-DISC	*B	7-9PM	M	192	EDUC		MCGILL
02324	LECT-DISC	*C	7-9PM	TH	192	EDUC		

EL ED 439 FUNDAMENTALS OF CURRICULUM DEVELOPMENT.
1 UNIT

02325	LECT-DISC	A	7-9PM	M	399	EDUC		SHORES
02326	LECT-DISC	B	7-9PM	TH	162	EDUC		SHORES

EL ED 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
*1/2 OR 1 UNIT

02327	CONF		ARR					GRADUATE STAFF

EL ED 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.
1 TO 2 UNITS

02328	CONF		ARR					GRADUATE STAFF

EL ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

02329	CONF		ARR					GRADUATE STAFF

EL ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

02330	CONF		ARR					GRADUATE STAFF

ENGINEERING HONORS

COURSES FOR UNDERGRADUATES

ENG H 197 THE ENGINEER AND HIS PROFESSION.
PREREQUISITE--HONORS STUDENT.
1 HOUR

02331	LECT-DISC	GA	10-12	TU	ARR			

ENGLISH LITERATURE AND AMERICAN LITERATURE

DEPARTMENT OFFICE 100 E B

MAJOR--A COURSE IN SHAKESPEARE AND TWENTY ADDITIONAL HOURS IN ENGLISH--EXCLUDING ENGL. 101, 102, 103, 105, 106, 113, 114, 121, 122, 123, 304, AND RHET. 101, 102, 107, 108, 151, 200, 271, 272. OF THESE TWENTY ADDITIONAL HOURS, SEVENTEEN MUST BE TAKEN IN ENGLISH OR AMERICAN LITERATURE, INCLUDING THREE HOURS FROM EACH OF THE FOLLOWING GROUPS-1--AMERICAN LITERATURE-ENGLISH 255, 256-A STUDENT WHO HAS CREDIT FOR ENGLISH 113 OR 114 MAY OFFER ENGLISH 272, 273, 287, 288, 316, 352, 353, 354, 359, 375, 376, 377, OR 380. 2--ENGLISH LITERATURE PRIOR TO 1688-ENGLISH 221, 235, 311, 320, 325, 326, 342, 345. 3--ENGLISH LITERATURE, 1688-1800,-ENGLISH 245, 346, 348, 349. 4--ENGLISH LITERATURE, 1800-PRESENT-ENGLISH 246, 263, 264, 265, 266, 281, 282, 283, 284, 382.

FOR UNDERGRADUATE STUDENTS WHO CONTEMPLATE TAKING ADVANCED WORK OR ARE MAJORING IN ENGLISH, THE FOLLOWING SEQUENCES OF COURSES ARE SUGGESTED. FRESHMAN YEAR, FIRST SEMESTER, ENGLISH 101 OR RHETORIC 107-SECOND SEMESTER, ENGLISH 102 OR 103 OR RHETORIC 108. SOPHOMORE YEAR, FIRST SEMESTER, ENGLISH 105 OR ENGLISH 121-SECOND SEMESTER ENGLISH 106 OR ENGLISH 122. ENGLISH 101 AND EITHER 102 OR 103, OR RHETORIC 107 AND 108 ARE THE NORMAL PREREQUISITE TO THE ENGLISH MAJOR. IF NECESSARY, ENGLISH 101, 102, OR 103 MAY BE TAKEN CONCURRENTLY WITH ADVANCED COURSES. IN EXCEPTIONAL CASES, ENGLISH 105 AND 106 OR ENGLISH 121 AND 122 MAY BE ACCEPTED AS ALTERNATIVE PREREQUISITES TO THE MAJOR.

MINORS--AN APPROVED SEQUENCE OF TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN THE LESSER IF TWO ARE CHOSEN--ANTHROPOLOGY, ANY FOREIGN LANGUAGE, ECONOMICS, HISTORY, HUMANITIES, LAW, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND SPEECH--OR AN APPROVED SEQUENCE IN HISTORY OF ARCHITECTURE, HISTORY OF ART, OR MUSIC-NOT INCLUDING APPLIED MUSIC-COMBINED WITH ANY ONE OF THE ABOVE SUBJECTS. WITH THE WRITTEN APPROVAL OF THE DEPARTMENT ADVISER, OTHER SUBJECTS MAY BE SUBSTITUTED. NO LANGUAGE COURSES WILL SATISFY MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJORS OF THEIR DEPARTMENTS EXCEPT FRENCH 103, GERMAN 103, LATIN 101, 102, 103, PORTUGUESE 103, 104, AND SPANISH 103. FOREIGN LANGUAGE DEPARTMENT COURSES PRESENTING FOREIGN LITERATURE IN TRANSLATION ARE ALSO EXCLUDED. STUDENTS INTENDING TO DO GRADUATE WORK SHOULD CONSULT THE LANGUAGE REQUIREMENTS OF THE GRADUATE COLLEGE AND THE ENGLISH DEPARTMENT WHEN THEY PLAN THEIR MINOR PROGRAMS.

ENGLISH MAJORS WHO INTEND TO TEACH IN SECONDARY SCHOOLS MUST SEE THE ADVISER ON SPECIAL CURRICULA.

DEPARTMENTAL DISTINCTION--A STUDENT MAJORING IN ENGLISH WHO MEETS THE UNIVERSITY GRADE-POINT REQUIREMENT--4.0 OR HIGHER--MAY EARN DISTINCTION ONLY BY SUCCESSFULLY COMPLETING ENGLISH 297 AND 298 IN ADDITION TO THE REGULAR REQUIREMENTS FOR HIS MAJOR. A STUDENT ENROLLED IN THE TEACHER TRAINING CURRICULUM IN ENGLISH MAY SUBSTITUTE ENGLISH 295 OR 296 FOR ONE SEMESTER OF THE ENGLISH 297-298 SEQUENCE PROVIDED THAT HIS ADVISER APPROVES AND THAT HIS SCHEDULE MAKES SUCH SUBSTITUTION NECESSARY. THE LEVEL OF DISTINCTION--DISTINCTION, HIGH DISTINCTION, OR HIGHEST DISTINCTION--IS DETERMINED BY THE INSTRUCTORS IN CHARGE OF THE COURSE AND THE HONORS COMMITTEE. TO RECEIVE HIGH DISTINCTION, HOWEVER, A STUDENT MUST HAVE A MINIMUM GRADE AVERAGE OF 4.5 IN ALL COURSES THAT COUNT TOWARD HIS MAJOR. TO RECEIVE HIGHEST DISTINCTION HIS AVERAGE IN THESE COURSES MUST BE AT LEAST 4.75. IF, IN THE OPINION OF THE INSTRUCTORS IN ENGLISH 297 AND 298 AND THE COMMITTEE, A CANDIDATE HAS NOT EARNED DISTINCTION, HE MAY STILL RECEIVE CREDIT FOR THE COURSE.

MAJOR IN COMPOSITION--SEE RHETORIC AND COMPOSITION.

ENGL 101 INTRODUCTION TO POETRY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02332	LECT-DISC	A1	8	M	W	F	140	ADMIN		SLIGHTS
02333	LECT-DISC	B1	9	M	W	F	140	ADMIN		HINELY
02334	LECT-DISC	C1	10	M	W	F	140	ADMIN		SLIGHTS
02335	LECT-DISC	D1	11	M	W	F	140	ADMIN		
02336	LECT-DISC	D2	11	M	W	F	223	E B		LOFTUS
02337	LECT-DISC	X1	12	M	W	F	205	C B		HINELY
02338	LECT-DISC	X2	12	M	W	F	240	L H		SUMMERFIELD
02339	LECT-DISC	E1	1	M	W	F	209	E B		KALMEY
02340	LECT-DISC	F1	2	M	W	F	112	E B		KALMEY

ENGL 102 INTRODUCTION TO THE DRAMA.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02341	LECT-DISC	A1	8	M	W	F	142	ADMIN		WELSH
02342	LECT-DISC	A2	8	M	W	F	108	E B		DAVIS
02343	LECT-DISC	B1	9	M	W	F	142	ADMIN		HOLMES
02344	LECT-DISC	B2	9	M	W	F	108	E B		
02345	LECT-DISC	C1	10	M	W	F	142	ADMIN		DAVIS
02346	LECT-DISC	C2	10	M	W	F	303	E D		MATTHEWS
02347	LECT-DISC	D1	11	M	W	F	142	ADMIN		
02348	LECT-DISC	D2	11	M	W	F	108	E B		
02349	LECT-DISC	X1	12	M	W	F	259	E D		
02350	LECT-DISC	E1	1	M	W	F	204	N L		DERUS
02351	LECT-DISC	F1	2	M	W	F	223	E B		HASKELL
02352	LECT-DISC	G1	3	M	W	F	112	E B		STILLWELL

ENGL 103 INTRODUCTION TO FICTION.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02353	LECT-DISC	A1	8	M	W	F	112	E B		SUMMERFIELD
02354	LECT-DISC	A2	8	M	W	F	327	G H		
02355	LECT-DISC	B1	9	M	W	F	300	N L		STOTTLAR
02356	LECT-DISC	B2	9	M	W	F	301	N L		
02357	LECT-DISC	C1	10	M	W	F	112	F B		LAMAR
02358	LECT-DISC	C2	10	M	W	F	204	N L		FUMENTO
02359	LECT-DISC	D1	11	M	W	F	301	N L		SUMMERFIELD
02360	LECT-DISC	D2	11	M	W	F	162	N L		STOTTLAR
02361	LECT-DISC	X1	12	M	W	F	142	ADMIN		WOOLLEY
02362	LECT-DISC	X2	12	M	W	F	108	E B		
02363	LECT-DISC	E1	1	M	W	F	142	ADMIN		
02364	LECT-DISC	E2	1	M	W	F	103	N L		
02365	LECT-DISC	F1	2	M	W	F	108	SURV BLDG		STEWART
02366	LECT-DISC	F2	2	M	W	F	434	N H B		WASSON
02367	LECT-DISC	G1	3	M	W	F	108	E B		CURLEY

ENGL 105 MASTERPIECES OF ENGLISH LITERATURE TO 1800.
*CREDIT IS NOT GIVEN FOR ENGL. 105 IN ADDITION TO ENGL. 121.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS MUST REGISTER FOR LECTURE SECTION AND FOR
ONE DISCUSSION SECTION.

02368	LECT	K	8	TU TH	217	N L		SHUGRUE
02369	DISC	M	10	TU TH	142	ADMIN		HART
02370	DISC	N	11	TU TH	142	ADMIN		MCGUGAN
02371	DISC	R	2	TU TH	108	E B		TAYLOR

ENGL 106 MASTERPIECES OF ENGLISH LITERATURE AFTER 1800.
*CREDIT IS NOT GIVEN FOR ENGL. 106 IN ADDITION TO ENGL. 122.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS MUST REGISTER FOR LECTURE SECTION AND FOR
ONE DISCUSSION SECTION.

02372	LECT	M	10	TU TH	196	L H		WILKIE
02373	DISC	N	11	TU TH	140	ADMIN		HENNEDY
02374	DISC	P1	1	TU TH	313	D H		MANN
02375	DISC	P2	1	TU TH	210B	E B		MERRILL
02376	DISC	R1	2	TU TH	201	E B		HALEY
02377	DISC	R2	2	TU TH	117	E B		LISTON

ENGL 113 CLASSIC AMERICAN AUTHORS BEFORE THE CIVIL WAR.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102, OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
*CREDIT IS NOT GIVEN FOR ENGL. 113 IN ADDITION TO ENGL. 255.
*3 HOURS

02378	LECT-DISC	A1	8	M	W	F	117	E	B		HAMILTON
02379	LECT-DISC	B1	9	M	W	F	303	N	L		MIGNON
02380	LECT-DISC	C1	10	M	W	F	240	L	H		BAYM
02381	LECT-DISC	D1	11	M	W	F	240	L	H		BAYM
02382	LECT-DISC	E1	1	M	W	F	108	SURV	BLDG		MIGNON
02383	LECT-DISC	F1	2	M	W	F	240	L	H		WATTS

STUDENTS WHO REGISTER FOR THE LECTURE SECTION MUST REGISTER FOR ONE OF THE DISCUSSION SECTIONS.

02384	LECT	P	1	TU	TH		100	N	L		HODGINS
02385	DISC	R1	2	TU			259	E	B		ANDERSEN
02386	DISC	R2	2	TU			223	E	B		NEUFELDT
02387	DISC	R3	2		TH		259	E	B		ANDERSEN
02388	DISC	S1	3	TU			259	E	B		ANDERSEN
02389	DISC	S2	3		TH		223	E	B		ANDERSEN
02390	DISC	S3	3		TH		259	E	B		NEUFELDT
02391	DISC	T1	4	TU			259	E	B		NEUFELDT
02392	DISC	T2	4		TH		259	E	B		NEUFELDT

ENGL 114 CLASSIC AMERICAN AUTHORS AFTER THE CIVIL WAR TO THE PRESENT.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102, OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
*CREDIT IS NOT GIVEN FOR ENGL. 114 IN ADDITION TO ENGL. 256.
*3 HOURS

02393	LECT-DISC	A1	8	M	W	F	201	E	B		
02394	LECT-DISC	B1	9	M	W	F	204	N	L		HAMILTON
02395	LECT-DISC	C1	10	M	W	F	196	L	H		STUBBS
02396	LECT-DISC	D1	11	M	W	F	282	BEV	HALL		PARKER
02397	LECT-DISC	X1	12	M	W	F	223	E	B		STUBBS
02398	LECT-DISC	X2	12	M	W	F	196	L	H		
02399	LECT-DISC	F1	2	M	W	F	140	ADMIN			

STUDENTS WHO REGISTER FOR THE LECTURE SECTION MUST REGISTER FOR ONE OF THE DISCUSSION SECTIONS.

02400	LECT	L	9	TU	TH		100	M	M	B	MOAKE
02401	DISC	M1	10	TU			435	N	H	B	HOAR
02402	DISC	M2	10		TH		435	N	H	B	HOAR
02403	DISC	N1	11	TU			435	N	H	B	HOAR
02404	DISC	N2	11		TH		435	N	H	B	HOAR
02405	DISC	P1	1	TU			259	E	B		
02406	DISC	P2	1		TH		259	E	B		
02407	DISC	R1	2	TU			209	E	B		TRIPPET
02408	DISC	R2	2		TH		209	E	B		TRIPPET

ENGL 121 CHIEF ENGLISH WRITERS BEFORE 1800.
PREREQUISITE--SOPHOMORE STANDING, OR EXEMPTION FROM RHET. 102, OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
*CREDIT IS NOT GIVEN FOR ENGL. 121 IN ADDITION TO ENGL. 105.
*3 HOURS

02409	LECT-DISC	D	11	M	W	F	195	N	L		MATTHEWS
02410	LECT-DISC	G	3	M	W	F	259	E	B		ALLEN

ENGL 122 CHIEF ENGLISH WRITERS OF THE NINETEENTH CENTURY.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102, OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
*CREDIT IS NOT GIVEN FOR ENGL. 122 IN ADDITION TO ENGL. 106.
*3 HOURS

02411	LECT-DISC	C	10	M	W	F	2108	E	B		WOOLLEY
02412	LECT-DISC	D	11	M	W	F	196	L	H		ROBERTS
02413	LECT-DISC	E	1	M	W	F	140	ADMIN			WOOLLEY

ENGL 123 CHIEF MODERN ENGLISH WRITERS.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102, OR DESIGNATION AS EDMUND J. JAMES SCHOLAR.
3 HOURS

02414	LECT-DISC	B	9	M	W	F	103	N	L		ADELMAN
02415	LECT-DISC	C	10	M	W	F	103	N	L		ADELMAN
02416	LECT-DISC	E	1	M	W	F	134	ARMORY			BRANDABUR
02417	LECT-DISC	F	2	M	W	F	327	G	H		DERUS
02418	LECT-DISC	G	3	M	W	F	201	E	B		RUECKERT

ENGL 131 INTRODUCTION TO SHAKESPEARE.
PREREQUISITE--SOPHOMORE STANDING OR EXEMPTION FROM RHET. 102.
OR DESIGNATION AS AN EDMUND J. JAMES SCHOLAR.
3 HOURS

02419	LECT-DISC	A	8	M	W	F	209	E	B	GOLDING
02420	LECT-DISC	B	9	M	W	F	240	L	H	WELSH
02421	LECT-DISC	C	10	M	W	F	327	G	H	WRIGHT
02422	LECT-DISC	D	11	M	W	F	259	E	B	HOLADAY
02423	LECT-DISC	X1	12	M	W	F	209	E	B	WELSH
02424	LECT-DISC	X2	12	M	W	F	184	L	H	LYNEN
02425	LECT-DISC	F	2	M	W	F	259	E	B	ROBERTS
02426	LECT-DISC	G	3	M	W	F	205	E	B	ROBERTS

ENGL 197 SOPHOMORE HONORS SEMINAR IN LITERARY STUDY.
PREREQUISITE--SOPHOMORE STANDING, AN AVERAGE OF B OR BETTER IN TWO
COURSES FROM THE FOLLOWING--ENGL. 101, 102, 103, 105, 106,
RHET. 107, 108, OR CONSENT OF INSTRUCTOR.
3 HOURS

02427	LECT-DISC	&F1	2-4	TU			210A	E	B	KALMEY

COURSES FOR ADVANCED UNDERGRADUATES

ENGL 215 PRACTICAL CRITICISM.
PREREQUISITE--NINE HOURS OF LITERATURE OR CONSENT OF INSTRUCTOR.
3 HOURS

02428	LECT-DISC	F	2	M	W	F	142	ADMIN		RUECKERT
02429	LECT-DISC	G	3	M	W	F	142	ADMIN		KAUFMAN

ENGL 221 MEDIEVAL LITERATURE.
3 HOURS

02430	LECT-DISC	B	9	M	W	F	223	E	B	WRIGHT

ENGL 232 SHAKESPEARE, II.
3 HOURS

02431	LECT-DISC	C	10	M	W	F	259	E	B	COLE
02432	LECT-DISC	E	1	M	W	F	259	E	B	GABEL

ENGL 252 GREAT ENGLISH NOVELISTS OF THE NINETEENTH CENTURY.
3 HOURS

02433	LECT-DISC	L	9	TU	TH		202	H	H	STOTTLAR

ENGL 255 SURVEY OF AMERICAN LITERATURE, I.
*CREDIT IS NOT GIVEN FOR BOTH ENGL. 113 AND 255.
*3 HOURS

02434	LECT-DISC	B	9	M	W	F	209	E	B	PARKER
02435	LECT-DISC	D	11	M	W	F	209	E	B	HASKELL
02436	LECT-DISC	F	2	M	W	F	209	E	B	LYNEN
02437	LECT-DISC	G	3	M	W	F	209	E	B	SCOUFFAS

ENGL 256 SURVEY OF AMERICAN LITERATURE, II.
*CREDIT IS NOT GIVEN FOR BOTH ENGL. 114 AND 256.
*3 HOURS

02438	LECT-DISC	A	8	M	W	F	205	E	B	HAMILTON
02439	LECT-DISC	B	9	M	W	F	205	E	B	ALTENBERND
02440	LECT-DISC	C	10	M	W	F	205	E	B	HASKELL
02441	LECT-DISC	D	11	M	W	F	205	E	B	STUBBS
02442	LECT-DISC	E	1	M	W	F	205	E	B	SCOTT
02443	LECT-DISC	F1	2	M	W	F	205	E	B	MIGNON
02444	LECT-DISC	F2	2	M	W	F	108	E	B	PAUL

ENGL 257 SURVEY OF ENGLISH LITERATURE, I.
PREREQUISITE--SENIOR STANDING.
3 HOURS

02445	LECT-DISC	B	9	M	W	F	327	G	H	GOLDING

ENGL 258 SURVEY OF ENGLISH LITERATURE,II.
PREREQUISITE--SENIOR STANDING.
3 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

02448	LECT-DISC	*B1	9	MTUWTHF			117	E	B	HOLADAY
02449	LECT-DISC	*B2	9	MTUWTHF			201	E	B	MILLET
02446	LECT-DISC	D1	11	M	W	F	117	E	B	WILSON
02450	LECT-DISC	*E1	1	MTUWTHF			117	E	B	MATTHEWS
02447	LECT-DISC	F1	2	M	W	F	117	E	B	MATTHEWS

ENGL 264 VICTORIAN LITERATURE FROM 1859 TO 1901.
3 HOURS

02451	LECT-DISC	C1	10	M W F	201	E B		MILLET

ENGL 265 MAJOR AUTHORS AFTER 1789.
2 HOURS
TOPIC--WILLIAM BLAKE AND EMILY BRONTE.

02452	LECT-DISC	M	10	TU TH	223	E B		SCHNEIDER

ENGL 271 MAJOR AMERICAN WRITERS.
2 HOURS
TOPIC--WHITMAN AND T S ELIOT

02453	LECT-DISC	E	1	M W	208	E B		LYNEN

ENGL 273 POETRY SINCE 1920.
PREREQUISITE--SIX HOURS OF ENGLISH LITERATURE OR CONSENT OF INSTRUCTOR.
3 HOURS

02454	LECT-DISC	C	10	M W F	117	E B		QUINN

ENGL 282 DEVELOPMENT OF THE MODERN DRAMA, II.
3 HOURS

02455	LECT-DISC	C	10	M W F	213	G H		SHATTUCK

ENGL 284 ENGLISH LITERATURE IN THE TWENTIETH CENTURY, II.
3 HOURS

02456	LECT-DISC	G	3	M W F	117	F B		BRANDABUR

ENGL 286 THE SHORT STORY, II.
PREREQUISITE--ONE COURSE IN ENGLISH OR AMERICAN LITERATURE.
3 HOURS

02457	LECT-DISC	C	10	M W F	209	E B		SCOTT
02458	LECT-DISC	D	11	M W F	201	E B		QUINN
02459	LECT-DISC	E	1	M W F	201	E B		ADELMAN
02460	LECT-DISC	F	2	M W F	201	E B		CURLEY

ENGL 288 THE TWENTIETH CENTURY AMERICAN NOVEL.
3 HOURS

02461	LECT-DISC	F	2	M W F	202	H H		SCOUFFAS

ENGL 296 JUNIOR HONORS SEMINAR IN LITERARY STUDY, II.
PREREQUISITE--JUNIOR STANDING, A UNIVERSITY GRADE AVERAGE OF 3.75 OR CONSENT OF HEAD OF DEPARTMENT.
2 HOURS

02462	LECT-DISC	&M1	10-12	TH	210A	E B		GABEL
02463	LECT-DISC	&M2	10-12	TH	194	L H		BERRY

ENGL 298 SENIOR HONORS SEMINAR IN LITERARY HISTORY AND CRITICISM, II.
REQUIRED OF ALL CANDIATES FOR DISTINCTION IN ENGLISH.
PREREQUISITE--SENIOR STANDING, A UNIVERSITY GRADE AVERAGE OF 4.0 OR CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

02464	LECT-DISC	&F1	2-4	TU	303	E B		COLE
02465	LECT-DISC	&F2	2-4	TH	307	E B		WILKIE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ENGL 316 THE AMERICAN DRAMA, 1900-1960.
3 HOURS, OR 3/4 UNIT

02466	LECT-DISC	D	11	M W F	210B	E B		FLANAGAN

ENGL 325 ENGLISH LITERATURE FROM 1500 TO 1660.
3 HOURS, OR 3/4 UNIT

02467	LECT-DISC	C	10	M W F	108	E B		MILLIGAN

ENGL 326 SPENSER AND HIS CONTEMPORARIES.
PREREQUISITE--SIX HOURS OF ENGLISH LITERATURE.
3 HOURS, OR 3/4 UNIT

02468	LECT-DISC	B	9	M W F	210B	E B		BERRY

ENGL 336 ENGLISH DRAMA EXCLUSIVE OF SHAKESPEARE.
3 HOURS, OR 3/4 UNIT
02469 LECT-DISC F 2 M W F 210B E B HERRICK

ENGL 339 COMEDY.
3 HOURS, OR 3/4 UNIT
02470 LECT-DISC E 1 M W F 108 E B SHATTUCK

ENGL 340 SATIRE.
3 HOURS, OR 3/4 UNIT
02471 LECT-DISC A 8 M W F 210B E B SHUGRUE

ENGL 348 SWIFT, POPE, AND FIELDING.
PREREQUISITE--A COURSE IN ENGLISH LITERATURE.
3 HOURS, OR 3/4 UNIT
02472 LECT-DISC C 11 M W F 201 N L HAIG

ENGL 351 THE MID-VICTORIAN NOVEL.
3 HOURS, OR 3/4 UNIT
02473 LECT-DISC N 11 TU TH 108 F B SCHNEIDER

ENGL 372 HISTORY AND PRINCIPLES OF LITERARY AND RHETORICAL CRITICISM-
SIDNEY TO THE PRESENT.
SAME AS SPCH. 372.
PREREQUISITE--SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT
02474 LECT-DISC G 3 M W F 223 E B HERRICK

ENGL 378 MODERN AMERICAN AND BRITISH FICTION IN ITS EUROPEAN BACKGROUND.
PREREQUISITE--TWO COLLEGE-LEVEL LITERATURE COURSES.
3 HOURS OR 3/4 UNIT
02475 LECT-DISC B 9 M W F 19S N L SIMON

ENGL 380 MARK TWAIN AND THE RISE OF REALISM.
PREREQUISITE--ENGL. 114, ENGL. 256, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
02476 LECT-DISC B 9 M W F 259 E B SCOTT

ENGL 381 THEMES AND MOVEMENTS IN BRITISH LITERATURE.
PREREQUISITE--SIX HOURS OF ENGLISH OR AMERICAN LITERATURE.
3 HOURS OR 3/4 UNIT
TOPIC--THE ART OF BIOGRAPHY.
02477 LECT-DISC E 1 M W F 223 E B GOLDING

ENGL 384 COMPARATIVE STUDIES IN TWENTIETH-CENTURY POETRY.
PREREQUISITE--THREE HOURS IN EITHER POETRY OR MODERN LITERATURE
OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
02478 LECT-DISC S1 3-5 TU 119 E B NIMS
S1 3 TH 119 E B

ENGL 385 THEMES AND MOVEMENTS IN AMERICAN LITERATURE.
3 HOURS, OR 3/4 UNIT
TOPIC--THE LITERARY MILIEU OF THE 1920 S.
02479 LECT-DISC C 10 M W F 223 E B HODGINS

COURSES FOR GRADUATES

ENGL 402 OLD ENGLISH--BEOWULF.
PREREQUISITE--ENGL. 401.
1 UNIT
02480 LECT-DISC B 9 M W F 309 LIB TRAHERN

ENGL 403 HISTORY OF THE ENGLISH LANGUAGE.
1 UNIT
02481 LECT-DISC C 11 M W F 309 LIB TRAHERN

ENGL 404 OLD ENGLISH LITERATURE AND ITS CULTURAL BACKGROUND.
PREREQUISITE--ENGL. 401 AND 402.
1 UNIT
02482 LECT-DISC F 1 M W F 309 LIB CAMPBELL

ENGL 405 MIDDLE ENGLISH.
1 UNIT
02483 LECT-DISC X 12 M W F 303 E B

ENGL 408 STUDIES IN CHAUCER AND HIS TIMES, II
1 UNIT
02484 LECT-DISC J 3-6 W 303 E B CAMPBELL

ENGL 412 STUDIES IN SIXTEENTH CENTURY LITERATURE, II.
1 UNIT
02485 LECT-DISC G 3 M W 210B E B MILLIGAN

ENGL 413 STUDIES IN SHAKESPEARE.
1 UNIT
02486 LECT-DISC E 1 M W 210B E B ORNSTEIN

ENGL 419 STUDIES IN SEVENTEENTH CENTURY POETRY AND MILTON, 1640-1700.
1 UNIT
02487 LECT-DISC N 11 TU TH 309 LIB BARKER

ENGL 422 STUDIES IN EIGHTEENTH CENTURY LITERATURE, II.
1 UNIT
02488 LECT-DISC M 10 TU TH 309 LIB HAIG

ENGL 428 STUDIES IN THE ROMANTIC MOVEMENT, II.
1 UNIT
02489 LECT-DISC E 1 TU TH 309 LIB GETTMANN

ENGL 432 STUDIES IN VICTORIAN LITERATURE II.
1 UNIT
02490 LECT-DISC V 7-9PM TU 196 L H SMALLEY

02491 LECT-DISC X 12 M W F 300 L H WASSON

ENGL 438 STUDIES IN AMERICAN LITERATURE AFTER 1800.
PREREQUISITE--SURVEY COURSE IN AMERICAN LITERATURE OR CONSENT OF INSTRUCTOR.
1 UNIT
TOPIC--STUDIES IN AMERICAN ROMANTICISM 1800-1860.
02492 LECT-DISC A 8 M W F 223 E B DAVIDSON

ENGL 442 STUDIES IN RECENT LITERARY THEORY.
1 UNIT
02493 LECT-DISC H 4 M W 254 E B KOECKERT

ENGL 445 INTRODUCTION TO ADVANCED GRADUATE STUDY.
REQUIRED OF ALL CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN ENGLISH.
1/4 UNIT
02494 LECT-DISC F 2 TU 205 E B

ENGL 446 INTRODUCTION TO ADVANCED GRADUATE STUDY.
REQUIRED OF ALL CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN ENGLISH.
1/4 UNIT
02496 LECT-DISC F1 2 TU 309 LIB DAVIDSON
02495 LECT-DISC F2 2 TH 309 LIB DAVIDSON

ENGL 447 BACKGROUND MATERIALS FOR HIGH SCHOOL TEACHERS OF ENGLISH.
1 UNIT
02497 LECT-DISC V 7-9PM M 110 E B TYLER

ENGL 450 PROBLEMS IN BIBLIOGRAPHICAL METHOD.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
02493 LECT-DISC ARR 100 E B EVANS

ENGL 457 PROBLEMS IN MEDIEVAL LITERATURE.
1 UNIT
02499 LECT-DISC H 4-6 W 102 E B STILLWELL

ENGL 463 PROBLEMS IN SHAKESPEARE.
1 UNIT
02500 LECT-DISC C 10 M W 309 LIB EVANS

ENGL 464 PROBLEMS IN ELIZABETHAN DRAMA.
1 UNIT
02501 LECT-DISC J 3 M W 307 E B

ENGL 467 PROBLEMS IN MILTON AND HIS AGE.
PREREQUISITE--ENGL. 342 OR 418 OR CONSENT OF INSTRUCTOR.
1 UNIT
02502 LECT-DISC F 2-4 TH 303 E B BARKER

ENGL 478 PROBLEMS IN PROSE FICTION, II.
PREREQUISITE--SECOND-YEAR GRADUATE STANDING.
1 UNIT
02503 LECT-DISC M 10 TU TH 114 E B GETTMANN

ENGL 479 PROBLEMS IN VICTORIAN LITERATURE.
PREREQUISITE--ENGL. 431 OR 432.
1 UNIT
TOPIC--GEORGE ELIOT.
02504 LECT-DISC V 7-9PM TH 196 L H SMALLEY

ENGL 484 PROBLEMS IN TWENTIETH CENTURY ENGLISH LITERATURE.
PREREQUISITE--CONSENT OF INSTRUCTOR, OR A SURVEY OF ENGLISH
LITERATURE.
1 UNIT
02505 LECT-DISC F 2-4 TH 112 E B BRANDABUR

ENGL 486 PROBLEMS IN AMERICAN CRITICISM AND AMERICAN CULTURE.
PREREQUISITE--ENGL. 376.
1 UNIT
02506 LECT-DISC G 3-5 M 309 LIB PAUL

ENGL 488 PROBLEMS IN AMERICAN LITERATURE AND CULTURE.
PREREQUISITE--A SURVEY OF AMERICAN LITERATURE OR CONSENT OF
INSTRUCTOR.
*STUDENTS MAY REPEAT COURSE FOR CREDIT.
*1 UNIT
TOPIC--FAULKNER AND HEMINGWAY.
02507 LECT-DISC H 4-6 F 102 E B FLANAGAN

ENGL 491 RESEARCH IN SPECIAL TOPICS.
*THIS COURSE MAY BE REPEATED FOR A TOTAL OF TWO UNITS
OF CREDIT.
*1 UNIT
02508 CONF ARR 100 E B

ENGL 497 INDEPENDENT READING.
PREREQUISITE--CONSENT OF INSTRUCTOR OF CONCURRENT 300 LEVEL COURSE.
*STUDENTS MAY ACCUMULATE 1/2 UNIT.
*1/4 UNIT
02509 CONF ARR 100 E B

ENGL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
INSTRUCTORS--BARKER, DAVIDSON, EVANS, FLANAGAN, GETTMAN, HAIG,
HERRICK, HOLADAY, HOOK, KELLEY, LEES, LYNEN, MCRURNEY, MILLIGAN,
ORNSTEIN, PAUL, ROBERTS, ROBINS, ROGERS, SCOTT, SHATTUCK, SMALLEY,
SMITH, STILLINGER, STILLWELL, AND WILSON.
02510 CONF ARR 100 E B

ENTOMOLOGY

DEPARTMENT OFFICE 320 MOR HALL

MAJOR--TWENTY HOURS IN ENTOMOLOGY, EXCLUDING ENTOM. 101, 103, AND 131. ZOOL. 318 AND 321 MAY BE APPLIED FOR MAJOR CREDIT. AT LEAST FIVE HOURS MUST BE TAKEN FROM THE ADVANCED GROUP.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--AGRONOMY, BOTANY, CHEMISTRY, HORTICULTURE, MICROBIOLOGY, PHYSIOLOGY, AND ZOOLOGY.

AS A GENERAL POLICY, STUDENTS WHO CONTEMPLATE EVENTUAL CAREERS IN ENTOMOLOGY ARE URGED TO USE THE UNDERGRADUATE YEARS TO GAIN THOROUGH GROUNDING IN THE FUNDAMENTALS OF PHYSICAL AND BIOLOGICAL SCIENCE, IN MATHEMATICS AND THE OTHER LIBERAL ARTS, AND IN THE TECHNIQUES OF COMMUNICATION. THE DEPARTMENT IS GLAD TO ADVISE STUDENTS IN REGARD TO THE MOST EFFECTIVE SCHEDULE OF STUDY TO SUIT THEIR PARTICULAR NEEDS.

ENTOM. 101 AND 103 ARE OPEN TO FRESHMEN, AND 131 TO SOPHOMORES, WITHOUT PREREQUISITES. PREREQUISITES FOR OTHER COURSES ARE INDICATED BELOW.

COURSES FOR UNDERGRADUATES

ENTOM 101 AGRICULTURAL ENTOMOLOGY.
3 HOURS

02511	LECT	A	10	M W	309 H H		WALDBAUER
02512	LECT	B	10-12	F	309 H H		WALDBAUER
02513	LAB	A	9	TU TH	309 H H		WALDBAUER
02514	LAB	B	10-12	TH	309 H H		WALDBAUER

ENTOM 103 LIFE OF INSECTS.
4 HOURS

02515	LAB-DISC	A	1-3	M F	309 H H		DOWNES
		A	2	W	309 H H		DOWNES
02516	LAB-DISC	B	3-5	M F	309 H H		DOWNES
		B	4	W	309 H H		DOWNES

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ENTOM 302 INTRODUCTION TO ADVANCED ENTOMOLOGY, II.
PREREQUISITE--ENTOM. 301.
4 HOURS, OR 1 UNIT

02517	LECT		8	TU TH	312 H H		SELANDER
02517	LAB		9-11	TU TH	312 H H		SELANDER

ENTOM 306 SPECIAL PROBLEMS.
PREREQUISITE--ANY OF THE FOLLOWING--ENTOM. 131, 301, 302, 317, 319, 322, OR ZOOL. 101 OR 321, SENIOR STANDING.
2 TO 5 HOURS, OR 1/4 OR 1 UNIT

02518	DISC		6A	ARR			STAFF

ENTOM 322 INSECT BIONOMICS.
PREREQUISITE--ENTOM. 101, 103, OR 301, OR ZOOL. 320.
4 HOURS, OR 1 UNIT

02519	LECT		1	M W	420A MOR HALL		HORSFALL
02519	LAB		2-4	M W	420A MOR HALL		HORSFALL

ENTOM 410 INSECT MORPHOLOGY.
PREREQUISITE--ENTOM. 301.
1 UNIT

02520	LECT	8	M W	312 H H		CHADWICK AND
02520	LAB	9-11	M W	312 H H		STERNBURG

ENTOM 420 CHEMISTRY AND TOXICOLOGY OF INSECTICIDES.
PREREQUISITE--ONE YEAR OF BIOLOGY OR EQUIVALENT IN ANIMAL SCIENCES, A COURSE IN ORGANIC CHEMISTRY.
1 UNIT

02521	LECT	2	TU TH	216 MOR HALL	KEARNS AND
02521	LAB	3-5	TU TH	215 MOR HALL	STERNBURG

ENTOM 422 INSECT PHYSIOLOGY.
PREREQUISITE--ENTOM. 301, A COURSE IN ORGANIC CHEMISTRY.
1 UNIT

02522	LAB-DISC	9-12	TU TH	420A MOR HALL	LARSEN

ENTOM 426 SEMINAR IN ENTOMOLOGY.
PREREQUISITE--ENTOM. 302, CONSENT OF INSTRUCTOR.
1/4 TO 1 UNIT

02523	LECT	ARR			STAFF

ENTOM 430 BIOLOGICAL ULTRASTRUCTURE.
SAME AS MCBIO., PHYSL., AND ZOOL. 430.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

02524	LECT	10	M W F	140 BUR HALL	HALL

ENTOM 499 THESIS--RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--

A--MORPHOLOGY AND EMBRYOLOGY OF INSECTS	CHADWICK, LARSEN, STERNBURG
B--APPLIED ENTOMOLOGY	DECKER, HORSFALL, KEARNS
C--SYSTEMATIC ENTOMOLOGY	DOWNES, ROSS, SELANDER
D--BIOLOGY AND ECOLOGY OF INSECTS	HORSFALL
E--INSECT PHYSIOLOGY & TOXICOLOGY	CHADWICK, FRAENKEL, KEARNS, LARSEN STERNBURG, WALDBAUER

02525	LAB	ARR			

FINANCE

DEPARTMENT OFFICE 311 D K H

MAJOR--TWENTY HOURS IN FINANCE. A FINANCE MAJOR WHO CHOOSES REQUIREMENTS FOR L. A. S. STUDENTS
ECONOMICS AS A MINOR MUST INCLUDE ALSO TWELVE HOURS IN A SECOND MINOR.

ECON. 108 OR ECON. 102 AND 103, ARE FUNDAMENTAL COURSES IN ECONOMICS AND ARE PREREQUISITES FOR COURSES IN FINANCE. STUDENTS WHO EXPECT TO DO ADVANCED WORK IN FINANCE SHOULD TAKE ECON. 108, OR ECON. 102 AND 103, IN THEIR SOPHOMORE YEAR. LIBERAL ARTS MAJORS IN FINANCE ARE ADVISED STRONGLY TO ELECT ACCY. 201 AND A COURSE IN STATISTICS.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, GEOLOGY, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY. THE CURRICULUM IN LATIN-AMERICAN STUDIES IS ACCEPTED AS A MINOR.

FIN 250 MONEY, CREDIT, AND BANKING.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS
•REGISTRATION LIMITED TO JAMES SCHOLARS AND OTHER HONOR STUDENTS.

02526	LECT-DISC	C	10	M W F	123	D K H		LEONARD
02527	LECT-DISC	E1	1	M W F	123	D K H		
02528	LECT-DISC	E2	1	M W F	28	COM W		
02529	LECT-DISC	F	2	M W F	123	D K H		
02530	LECT-DISC	G1	3	M W F	123	D K H		HEINS
02536	LECT-DISC	•&G2	3	M W F	28	COM W		ARLT
02531	LECT-DISC	H1	4	M W F	123	D K H		
02532	LECT-DISC	H2	4	M W F	28	COM W		HEINS
02533	LECT-DISC	J	8	TU TH S	28	COM W		PATTERSON
02534	LECT-DISC	K	9	TU TH S	28	COM W		PATTERSON
02535	LECT-DISC	K	12	M W F	123	D K H		

FIN 252 BANKING PRACTICE IN THE UNITED STATES.
PREREQUISITE--FIN. 250 AND 254.
3 HOURS

02537	LECT-DISC	F	2	M W F	420	D K H		ARLT

FIN 253 INVESTMENT BANKING.
PREREQUISITE--FIN. 250 AND 254.
3 HOURS

02538	LECT-DISC	B	9	M W F	420	D K H		LEONARD

FIN 254 BUSINESS FINANCE.
PREREQUISITE--ECON. 102 AND 103, OR 108, ACCY. 105 OR 201.
3 HOURS
•STUDENTS IN LECTURE 2 MAY NOT ELECT DISCUSSION K. AND STUDENTS IN LECTURE 1 MAY NOT ELECT DISCUSSION J.
•REGISTRATION LIMITED TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

02552	LECT	•1	8	TU TH	114	D K H		VAN ARSDELL
02553	LECT	•2	9	TU TH	114	D K H		VAN ARSDELL
02539	LECT-DISC	B	9	W F	123	D K H		
02540	LECT-DISC	J	8	TU TH	123	D K H		
02541	LECT-DISC	K	9	TU TH	123	D K H		LANDSEA
02542	LECT-DISC	L	10	TU TH	123	D K H		
02543	LECT-DISC	M1	11	TU TH	123	D K H		LANDSEA
02544	LECT-DISC	M2	11	TU TH	28	COM W		
02545	LECT-DISC	N1	1	TU TH	28	COM W		OSBORN
02551	LECT-DISC	•&N2	1	TU TH	123	D K H		PIKE
02546	LECT-DISC	C1	2	TU TH	123	D K H		LEONARD
02547	LECT-DISC	C2	2	TU TH	28	COM W		MAYER
02548	LECT-DISC	C3	2	TU TH	420	D K H		
02549	LECT-DISC	P1	3	TU TH	123	D K H		LEONARD
02550	LECT-DISC	P2	3	TU TH	28	COM W		PIKE

FIN 257 CORPORATION FINANCE.
FOR NON-COMMERCE STUDENTS ONLY.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

02554	LECT-DISC	D	11	M W F	28	COM W		OSBORN

FIN 259 INVESTMENT.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

02555	LECT		11	M	114	D K H		MAYER
02556	LECT-DISC	D	11	W F	123	D K H		
02557	LECT-DISC	J	8	TU TH	420	D K H		
02558	LECT-DISC	L	10	TU TH	28	COM W		
02559	LECT-DISC	M	11	TU TH	420	D K H		

FIN 260 ECONOMICS OF INSURANCE.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

02560	LECT-DISC	A	8	M W F	123	D K H		
02561	LECT-DISC	B	9	M W F	28	COM W		MEHR
02562	LECT-DISC	G	3	M W F	420	D K H		CAMMACK
02563	LECT-DISC	K	9	TU TH	420	D K H		CAMMACK
		K	10	TU	420	D K H		

FIN 262 LIFE INSURANCE.
PREREQUISITE--ECON 102 AND 103, OR 108.
3 HOURS

02564	LECT-DISC	D	11	M W F	420	D K H		CAMMACK

FIN 264 INTRODUCTION TO URBAN REAL ESTATE AND LAND ECONOMICS.
PREREQUISITE--ECON. 102 AND 103, OR 108.
3 HOURS

02565	LECT		9	W F	245	COM W		DASSO
02566	LECT-DISC	B	9	M	123	D K H		DASSO
02567	LECT-DISC	L	10	TH	420	D K H		LAITILA

FIN 265 PROPERTY VALUATION.
PREREQUISITE--FIN. 264.
3 HOURS

02568	LECT-DISC	F	2	M W F	28	COM W		LAITILA

FIN 267 REAL ESTATE BROKERAGE AND MANAGEMENT.
PREREQUISITE--FIN. 264.
2 HOURS

02569	LECT-DISC	N	1	TU TH	96	COM W		DASSO

FIN 270 PROPERTY AND LIABILITY INSURANCE.
PREREQUISITE--FIN. 260.
3 HOURS

02570	LECT-DISC	E	1	M W F	420	D K H		

FIN 291 HONORS COURSE.
2 TO 4 HOURS
SENIOR CANDIDATES FOR GRADUATION WITH HONORS OR HIGH HONORS SHOULD ELECT ONE OR THE OTHER OF THE FOLLOWING OPTIONS--OPTION A--AN ACCEPTABLE THESIS IN FINANCE. OPTION B--A COMPREHENSIVE EXAMINATION SIX HOURS IN LENGTH, COVERING A REVIEW OF FINANCE.

02571	CONF	&A	ARR					HEINS

FIN 295 SENIOR SEMINAR IN FINANCE, II.
PREREQUISITE--SENIOR STANDING, CONSENT OF DEPARTMENTAL ADVISOR.
*3 TO 5 HOURS

02572	LECT-DISC	QT	4-6	TU	96	COM W		HEINS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

FIN 357 FINANCING SMALL BUSINESS.
PREREQUISITE--FIN. 254 OR 257.
3 HOURS, OR 1/2 TO 1 UNIT

02573	LECT-DISC	A	8	M W F	28	COM W		USBORN

FIN 359 SECURITY ANALYSIS.
PREREQUISITE--ACCY. 108, FIN. 254.
3 HOURS, OR 1/2 TO 1 UNIT

02574	LECT-DISC	A	8	M W F	420	D K H		PIKE
02575	LECT-DISC	C	10	M W F	420	D K H		MAYER

FIN 363 ADVANCED LIFE INSURANCE.
PREREQUISITE--FIN. 262.
3 HOURS, OR 1/2 TO 1 UNIT

02576	LECT-DISC	M	10	TH	96	COM W		MEHR
		M	11	TU TH	96	COM W		

FIN 369 URBAN LAND PROBLEMS.
PREREQUISITE--FIN. 368 OR CONSENT OF INSTRUCTOR.
1 TO 3 HOURS, OR 1/2 TO 1 UNIT

02577	LECT-DISC	C	10	M W F	28	COM W		DASSO

COURSES FOR GRADUATES

FIN 425 THE MONEY MARKET AND FINANCIAL STABILIZATION.
PREREQUISITE--FIN. 250.
1 UNIT
02578 LECT-DISC OTU 2-4 TU 96 COM W ARLT

FIN 455 CORPORATION FINANCE.
PREREQUISITE--FIN. 254.
1 UNIT
02579 LECT-DISC FF 2-4 F 96 COM W VAN ARSDELL

FIN 459 EVOLUTION OF THE CONCEPT OF THE BUSINESS CORPORATION.
PREREQUISITE--A COURSE IN PRINCIPLES OF ECONOMICS, CONSENT OF INSTRUCTOR.
1 UNIT
02580 LECT-DISC FW 2-4 W 96 COM W OSBORN

FIN 460 THEORY OF INSURANCE.
1 UNIT
02581 LECT-DISC JTU 8-10 TU 96 COM W MEHR

FIN 490 INDIVIDUAL STUDY AND RESEARCH.
1/2 TO 1 UNIT
02582 CONF ARR MAYER

FIN 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
02583 LECT-DISC QTH 4-6 TH 240 COM W MAYER, MEHR
02584 LECT-DISC HW 4-6 W 240 COM W MAYER, MEHR

FOOD SCIENCE
INCLUDING DAIRY TECHNOLOGY

FOOD SCIENCE

DEPARTMENT OFFICE 213 M H

COURSES FOR ADVANCED UNDERGRADUATES

F S 202 ELEMENTS OF FOOD TECHNOLOGY.
PREREQUISITE--F. S. 201.
3 HOURS
02585 LECT-DISC 3 M W F 203 D M B STEINBERG AND TOBIAS

F S 204 ELEMENTS OF FOOD ENGINEERING.
PREREQUISITE--JUNIOR STANDING IN FOOD SCIENCE OR DAIRY TECHNOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS
02586 LECT-DISC 1 M F 203 D M B STEINBERG
02586 LAB 4-6 W S WING H F L

F S 206 INSPECTION TRIP.
PREREQUISITE--SENIOR STANDING IN FOOD SCIENCE, CONSENT OF DEPARTMENT.
A THREE TO FOUR DAY FIELD TRIP REQUIRED OF ALL SENIORS IN FOOD SCIENCE, ESTIMATED EXPENSE, $35.
NO CREDIT
02587 LAB ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

F S 302 FOOD PROCESSING.
PREREQUISITE--F. S. 202 AND 301, OR EQUIVALENT.
FIELD TRIPS.
4 HOURS, OR 1 UNIT

02588	LECT	11	TU	203 D M B	NELSON, BEI
02588	LAB	1-5	TU TH	S WING H F L	

F S 332 PRINCIPLES OF SANITATION IN THE PROCESSING AND HANDLING OF FOODS.
PREREQUISITE--MCBIO. 100, 101 AND CHEM. 132, OR EQUIVALENT.
FIELD TRIPS.
2 HOURS, OR 1/2 UNIT
*ONE HOUR FOR LUNCH

02589	LECT	*11-2	W	313 M H	ORDAL, WITTER
02589	LAB	2-4	W	555 BEV HALL	

COURSES FOR GRADUATES

F S 404 SPECIAL TOPICS IN FOOD SCIENCE, III - TECHNOLOGY OF FATS AND OILS.
PREREQUISITE--F. S. 391 OR CONSENT OF INSTRUCTOR.
1/2 UNIT

02590	LECT	8	TU TH	8 R L	NARAYAN

F S 406 THE TECHNOLOGY OF FATS AND OILS.
PREREQUISITE--CREDIT OR REGISTRATION IN F. S. 404.
1/2 UNIT

02591	LAB	4	M W F	8 R L	NISHIDA

F S 421 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS IN FOOD SCIENCE.
1/2 UNIT

02592	DISC	11	TH	405 M H	STAFF

F S 481 ADVANCED STUDIES IN FOOD SCIENCE.
1/2 TO 2 UNITS

02593	CONF	ARR	STAFF

F S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

02594	CONF	ARR	STAFF

DAIRY TECHNOLOGY

OFFICE 104 D M B

COURSES FOR UNDERGRADUATES

D T 102 QUALITY EVALUATION OF DAIRY PRODUCTS.
PREREQUISITE--SOPHOMORE STANDING.
3 HOURS

02595	LECT-DISC	3	M W F	203 D M B	STEINBERG AND TOMIAN

COURSES FOR ADVANCED UNDERGRADUATES

D T 200 SPECIAL PROBLEMS IN DAIRY TECHNOLOGY.
PREREQUISITE--MINIMUM GRADE-POINT AVERAGE OF 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.
3 TO 5 HOURS

02596	CONF	ARR					STAFF

D T 213 TECHNICAL CONTROL OF DAIRY PRODUCTS.
PREREQUISITE--CHEM. 133.
3 HOURS

02597	LECT-DISC	8		F	102	D M B	TOBIAS
02597	LAB	8-11	M W		20	D M B	

COURSES FOR ADVANCED UNDERGRADUATES AND GRABUATES

NOTE--ALL STUDENTS SPECIALIZING IN DAIRY TECHNOLOGY ARE EXPECTED TO TAKE AN INSPECTION TRIP EITHER IN THE JUNIOR OR SENIOR YEAR. THIS TRIP COSTS THE STUDENT ABOUT $20.

D T 308 DAIRY PLANT MANAGEMENT.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

02598	LECT-DISC	2	M W	F	102	D M B	WILSON

D T 310 DAIRY PRODUCT PROCESSING, I.
PREREQUISITE--F S 201, D T 211 AND CREDIT OR REGISTRATION IN D T 213
4 HOURS, OR 1 UNIT

02599	LECT-DISC	11	M W	F	203	D M B	HERREID, TUBI
02599	LAB	8-11	TU TH		206	D M B	

COURSES FOR GRADUATES

D T 404 SEMINAR.
PREREQUISITE--GRADUATE STANDING IN DAIRY TECHNOLOGY.
*STUDENTS MAY ACCUMULATE ONE UNIT.
*0 TO 1/2 UNIT

02600	DISC	ARR	STAFF

D T 491 ASSIGNED PROBLEMS IN DAIRY TECHNOLOGY.
PREREQUISITE--GRADUATE STANDING IN DAIRY TECHNOLOGY.
1/2 TO 2 UNITS

02601	CONF	ARR	STAFF

D T 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

02602	CONF	ARR	STAFF

DEPARTMENT OFFICE 219 M H

COURSES FOR UNDERGRADUATES

FOR 100 FARM FORESTRY.
PREREQUISITE--ENROLLMENT IN COLLEGE OF AGRICULTURE, COLLEGE OF EDUCATION, OR CONSENT OF INSTRUCTOR.
3 HOURS

02603	LECT-DISC		1	TU TH	320 M H	RENNELS
02603	LAB-DISC		2-5	TU	406 M H	

FOR 101 GENERAL FORESTRY.
PREREQUISITE--ENROLLMENT IN A FORESTRY CURRICULUM OR SOPHOMORE STANDING.
3 HOURS

02604	LECT-DISC		9	M W F	313 M H	SPAETH

COURSES FOR ADVANCED UNDERGRADUATES

THE FORESTRY COURSES FOR ADVANCED UNDERGRADUATES ARE DESIGNED PRIMARILY FOR STUDENTS WHO ARE CANDIDATES FOR THE PROFESSIONAL DEGREE OF BACHELOR OF SCIENCE IN FORESTRY IN EITHER THE FOREST PRODUCTION OR WOOD TECHNOLOGY AND UTILIZATION CURRICULUM. OTHER STUDENTS ARE ADMITTED TO MOST OF THESE COURSES, HOWEVER, IF THEY HAVE THE PREREQUISITES OR THE CONSENT OF THE INSTRUCTOR.

FOR 232 HARVESTING AND USE OF WOOD PRODUCTS.
PREREQUISITE--FOR. 231.
FIELD TRIP, ESTIMATED EXPENSE $3.
4 HOURS

02605	LECT-DISC		9	MTUWTH	442 M H	WALTERS

FOR 252 FOREST ECONOMICS, II.
PREREQUISITE--FOR. 251.
3 HOURS

02606	LECT-DISC		9	TU TH	406 M H	HOLLAND
02606	LAB-DISC		8-10	F	406 M H	

FOR 262 CONTROL OF FOREST PESTS AND HAZARDS.
3 HOURS

02607	LECT-DISC		10	TU TH	406 M H	RENNELS
02607	LAB-DISC		3-5	TH	W121 T H	

FOR 271 WOOD ANATOMY AND IDENTIFICATION.
PREREQUISITE--JUNIOR STANDING.
4 HOURS

02608	LECT-DISC		11	TU TH	442 M H	GUIHER
02609	LAB-DISC	A	1-4	M F	W121 T H	
02610	LAB-DISC	B	1-4	W	W121 T H	
		B	8-11	F	W121 T H	

FOR 273 GLUES, PLYWOOD AND LAMINATES.
4 HOURS

02611	LECT-DISC		9	M W	UTIL LAB	GUIHER
02611	LAB-DISC		1-4	TU TH	UTIL LAB	

FOR 274 WOOD PRESERVATION.
3 HOURS

02612	LECT-DISC		10	TU TH	UTIL LAB	WALTERS
02612	LAB-DISC		1-4	M	UTIL LAB	

FOR 400 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS IN FORESTRY.
*STUDENTS MAY ACCUMULATE 1/2 UNIT.
*1/4 UNIT
02613 DISC 4 h 406 M H STAFF

FOR 401 SPECIAL PROBLEMS.
*NOT MORE THAN ONE UNIT MAY BE OFFERED TOWARD AN M.S. DEGREE.
*1/2 OR 1 UNIT
02614 CONF ARR GRADUATE S

FOR 499 THESIS RESEARCH.
1 TO 3 UNITS
02615 CONF ARR GRADUATE S

FRENCH

DEPARTMENT OFFICE 244 L H

MAJOR--TWENTY HOURS IN FRENCH, EXCLUDING FRENCH 101, 102, 103, 104, 113, AND INCLUDING FR. 201, 202, 211, 212 AND AT LEAST EIGHT HOURS FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. STUDENTS ARE ALSO STRONGLY ADVISED TO TAKE A YEARS WORK--TWO COURSES IN EUROPEAN HISTORY AND A YEARS WORK--TWO COURSES--IN ENGLISH LITERATURE. COURSES PARTICULARLY SUITABLE FOR THIS PURPOSE ARE--
HIST. 111-112, 309-310, 311-312, 313-314, 323-324. ENGL.
101, 102, 103, 105, 106, 121, 122, 123, 131, 231, 232, 245, 246, 251, 252, 253, 257, 258, 263, 264, 281, 282, 283, 284,
HUMAN. 363, 364.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH SUBJECT IF TWO ARE CHOSEN--EDUCATION, ENGLISH--EXCLUDING RHET. 101 AND 102--GERMAN, GREEK, HISTORY, ITALIAN, LATIN, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, AND SPANISH.

SEQUENCE OF COURSES--STUDENTS WITH NO PREVIOUS CREDIT IN FRENCH REGISTER IN FRENCH 101. STUDENTS WITH NO CREDIT IN FRENCH AT THE UNIVERSITY OF ILLINOIS BUT WHO HAVE CREDIT IN FRENCH FROM HIGH SCHOOL OR ANOTHER COLLEGE MUST REGISTER IN STARRED SECTIONS AS FOLLOWS--STUDENTS WITH ONE YEAR OF HIGH SCHOOL FRENCH OR ONE SEMESTER OF COLLEGE FRENCH REGISTER IN FRENCH *102- TWO YEARS OF HIGH SCHOOL FRENCH OR TWO SEMESTERS OF COLLEGE FRENCH IN FRENCH *103- THREE YEARS OF HIGH SCHOOL FRENCH OR THREE SEMESTERS OF COLLEGE FRENCH IN FRENCH *104. STUDENTS WITH FOUR YEARS OF HIGH SCHOOL FRENCH OR FOUR SEMESTERS OF COLLEGE FRENCH TAKEN ELSEWHERE MAY REGISTER IN THE 200-LEVEL COURSES, PROVIDED THAT REGISTRATION IN FRENCH 211 IS IN A STARRED SECTION.

PLACEMENT TESTS--STUDENTS WITH NO FRENCH CREDIT AT THE UNIVERSITY OF ILLINOIS WHO ARE REGISTERED IN THE STARRED SECTIONS OF FRENCH 102, 103, 104, AND 211 MAY PROGRESS TO A REGULAR SECTION OF THE SAME COURSE BY PASSING A PLACEMENT TEST TO BE GIVEN IN THE SECOND WEEK OF INSTRUCTION.

FR 101 ELEMENTARY COURSE, I.

FOR STUDENTS WHO HAVE NO CREDIT IN FRENCH.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR FR. 101 WITHOUT FR. 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202-204 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--M. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7 PM, 8 PM.

02616	LECT-DISC	A1	8	TUWTHF	330	ARMORY
02617	LECT-DISC	A2	8	TUWTHF	331	ARMORY
02618	LECT-DISC	B1	9	TUWTHF	330	ARMORY
02619	LECT-DISC	B2	9	TUWTHF	331	ARMORY
02620	LECT-DISC	C	10	TUWTHF	330	ARMORY
02621	LECT-DISC	D	11	TUWTHF	330	ARMORY
02622	LECT-DISC	X	12	MTUWTH	330	ARMORY
02623	LECT-DISC	E	1	MTUWTH	330	ARMORY
02624	LECT-DISC	F	2	MTUWTH	330	ARMORY
02625	LECT-DISC	G	3	MTUWTH	330	ARMORY

FR 102 ELEMENTARY COURSE, II.

PREREQUISITE--FR. 101 OR ONE YEAR OF HIGH SCHOOL FRENCH.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*REGISTRATION IN SECTIONS MEETING FOUR TIMES WEEKLY IS RESTRICTED TO STUDENTS WHO COMPLETE FRENCH 101 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF C OR HIGHER. ALL OTHER STUDENTS REGISTER IN THE STARRED SECTIONS MEETING FIVE TIMES WEEKLY.
*SECTION &E1 IS OPEN ONLY TO JAMES SCHOLARS AND TO STUDENTS WITH A GRADE OF A IN FRENCH 101.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202-204 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TH. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7 PM, 8 PM. F. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5. S. 9, 10, 11.

02626	LECT-DISC	A1	8	TUWTHF	216	L H
02627	LECT-DISC	A2	8	TUWTHF	252	ADMIN
02628	LECT-DISC	A3	8	TUWTHF	325	G H
02651	LECT-DISC	*B1	9	MTUWTHF	252	ADMIN
02629	LECT-DISC	B2	9	TUWTHF	325	G H
02630	LECT-DISC	B3	9	TUWTHF	219	G H
02631	LECT-DISC	C1	10	TUWTHF	331	ARMORY
02632	LECT-DISC	C2	10	TUWTHF	252	ADMIN
02633	LECT-DISC	C3	10	TUWTHF	325	G H
02634	LECT-DISC	C4	10	TUWTHF	219	G H
02635	LECT-DISC	D1	11	TUWTHF	331	ARMORY
02636	LECT-DISC	D2	11	TUWTHF	252	ADMIN
02637	LECT-DISC	D3	11	TUWTHF	325	G H
02652	LECT-DISC	*X1	12	MTUWTHF	216	L H
02638	LECT-DISC	X2	12	MTUWTH	331	ARMORY
02639	LECT-DISC	X3	12	MTUWTH	252	ADMIN
02650	LECT-DISC	*&E1	1	MTUWTH	374	L H
02640	LECT-DISC	E2	1	MTUWTH	331	ARMORY
02641	LECT-DISC	E3	1	MTUWTH	252	ADMIN
02642	LECT-DISC	E4	1	MTUWTH	325	G H
02653	LECT-DISC	*F1	2	MTUWTHF	331	ARMORY
02643	LECT-DISC	F2	2	MTUWTH	252	ADMIN
02644	LECT-DISC	F3	2	MTUWTH	325	G H
02645	LECT-DISC	F4	2	MTUWTH	219	G H
02646	LECT-DISC	G1	3	MTUWTH	252	ADMIN
02647	LECT-DISC	G2	3	MTUWTH	331	ARMORY
02648	LECT-DISC	G3	3	MTUWTH	325	G H
02649	LECT-DISC	H	4	MTUWTH	252	ADMIN

FR 103 MODERN FRENCH, I.

PREREQUISITE--FR. 102 OR TWO YEARS OF HIGH SCHOOL FRENCH.
4 HOURS
*REGISTRATION IN SECTIONS MEETING FOUR TIMES WEEKLY IS RESTRICTED TO STUDENTS COMPLETING FRENCH 102 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF C OR HIGHER. ALL OTHER STUDENTS REGISTER IN STARRED SECTIONS MEETING FIVE TIMES WEEKLY.

02661	LECT-DISC	*B1	9	MTUWTHF	113	D K H
02654	LECT-DISC	B2	9	TUWTHF	207	G H
02655	LECT-DISC	C	10	TUWTHF	113	D K H
02662	LECT-DISC	*D1	11	MTUWTHF	113	D K H
02656	LECT-DISC	D2	11	TUWTHF	207	G H
02663	LECT-DISC	*X1	12	MTUWTHF	325	G H
02657	LECT-DISC	X2	12	MTUWTH	262	L H
02658	LECT-DISC	E	1	MTUWTH	113	D K H
02664	LECT-DISC	*F1	2	MTUWTHF	216	L H
02659	LECT-DISC	F2	2	MTUWTH	113	D K H
02660	LECT-DISC	G	3	MTUWTH	113	D K H

FR 104 MODERN FRENCH, II.

PREREQUISITE--FR. 103 OR THREE YEARS OF HIGH SCHOOL FRENCH.
4 HOURS
*REGISTRATION IN SECTIONS MEETING FOUR TIMES WEEKLY IS RESTRICTED TO STUDENTS COMPLETING FRENCH 103 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF C OR HIGHER. ALL OTHER STUDENTS REGISTER IN STARRED SECTIONS MEETING FIVE TIMES WEEKLY.
*ENROLLMENT IN SECTION &D4 IS RESTRICTED TO JAMES SCHOLARS AND TO STUDENTS WHO RECEIVED A GRADE OF A IN FR 103.

02693	LECT-DISC	*A1	8	MTUWTHF	262	L H
02665	LECT-DISC	A2	8	TUWTHF	302	L H
02666	LECT-DISC	A3	8	TUWTHF	390	L H
02694	LECT-DISC	*B1	9	MTUWTHF	262	L H
02667	LECT-DISC	B2	9	TUWTHF	302	L H
02668	LECT-DISC	B3	9	TUWTHF	390	L H
02669	LECT-DISC	B4	9	TUWTHF	374	L H
02670	LECT-DISC	B5	9	TUWTHF	3	G H
02695	LECT-DISC	*C1	10	MTUWTHF	302	L H
02671	LECT-DISC	C2	10	TUWTHF	262	L H
02672	LECT-DISC	C3	10	TUWTHF	390	L H
02673	LECT-DISC	C4	10	TUWTHF	374	L H
02674	LECT-DISC	C5	10	TUWTHF	3	G H
02696	LECT-DISC	*D1	11	MTUWTHF	390	L H
02675	LECT-DISC	D2	11	TUWTHF	262	L H
02676	LECT-DISC	D3	11	TUWTHF	302	L H
02692	LECT-DISC	*&D4	11	TUWTHF	374	L H
02677	LECT-DISC	X1	12	MTUWTH	302	L H
02678	LECT-DISC	X2	12	MTUWTH	390	L H
02679	LECT-DISC	X3	12	MTUWTH	374	L H
02697	LECT-DISC	*E1	1	MTUWTHF	390	L H
02680	LECT-DISC	E2	1	MTUWTH	262	L H
02681	LECT-DISC	E3	1	MTUWTH	302	L H
02682	LECT-DISC	E4	1	MTUWTH	3	G H
02698	LECT-DISC	*F1	2	MTUWTHF	374	L H
02683	LECT-DISC	F2	2	MTUWTH	262	L H
02684	LECT-DISC	F3	2	MTUWTH	302	L H
02685	LECT-DISC	F4	2	MTUWTH	390	L H
02686	LECT-DISC	F5	2	MTUWTH	3	G H
02687	LECT-DISC	G1	3	MTUWTH	302	L H
02688	LECT-DISC	G2	3	MTUWTH	262	L H
02689	LECT-DISC	G3	3	MTUWTH	390	L H
02690	LECT-DISC	H1	4	MTUWTH	302	L H
02691	LECT-DISC	H2	4	MTUWTH	262	L H

FR 113 CONVERSATIONAL PRACTICE.

PREREQUISITE--FR. 102 OR TWO YEARS OF HIGH SCHOOL FRENCH, CONCURRENT REGISTRATION IN FR. 103 OR 104.
1 HOUR

02699	LECT-DISC	B	9	TU TH	46	G H
02700	LECT-DISC	C	10	TU TH	46	G H
02701	LECT-DISC	D	11	TU TH	46	G H
02702	LECT-DISC	X	12	TU TH	46	G H
02703	LECT-DISC	E	1	TU TH	46	G H

FR 201 INTRODUCTION TO FRENCH LITERATURE, I.
PREREQUISITE--FR. 104 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
3 HOURS

02704	LECT-DISC	B	9	M	W	F	392	L	H
02705	LECT-DISC	C	11	M	W	F	392	L	H
02706	LECT-DISC	F	2	M	W	F	392	L	H

FR 202 INTRODUCTION TO FRENCH LITERATURE, II.
PREREQUISITE--FR. 104 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
3 HOURS

02707	LECT-DISC	B	9	M	W	F	308	L	H
02708	LECT-DISC	C	10	M	W	F	242	L	H
02709	LECT-DISC	X	12	M	W	F	219	G	H
02710	LECT-DISC	E	1	M	W	F	207	G	H
02711	LECT-DISC	F	2	M	W	F	207	G	H

FR 211 ORAL FRENCH, I
PREREQUISITE--FR. 104, OR 103 AND 113, OR FOUR YEARS OF HIGH SCHOOL FRENCH. PRACTICE IN LANGUAGE LABORATORY IS REQUIRED.
3 HOURS
*REGISTRATION IN SECTIONS MEETING THREE TIMES WEEKLY IS RESTRICTED TO STUDENTS COMPLETING FRENCH 104 AT THE UNIVERSITY OF ILLINOIS WITH A GRADE OF B OR HIGHER. ALL OTHER STUDENTS REGISTER IN STARRED SECTIONS MEETING FOUR HOURS WEEKLY.

02718	LECT-DISC	*B1	9	TUWTHF			212	D K	H
02712	LECT-DISC	B2	9	M	W	F	46	G	H
02719	LECT-DISC	*C1	10	TUWTHF			212	D K	H
02713	LECT-DISC	C2	10	M	W	F	46	G	H
02720	LECT-DISC	*D1	11	TUWTHF			212	D K	H
02714	LECT-DISC	D2	11	M	W	F	46	G	H
02715	LECT-DISC	X	12	M	W	F	46	G	H
02721	LECT-DISC	*E1	1	MTUWTH			212	D K	H
02716	LECT-DISC	E2	1	M	W	F	46	G	H
02717	LECT-DISC	F	2	M	W	F	46	G	H

FR 212 ORAL FRENCH, II
PREREQUISITE--FR. 211. WITH PERMISSION, FR. 212 MAY BE TAKEN WITH 211 IN THE SUMMER SESSION. PRACTICE IN LANGUAGE LABORATORY IS REQUIRED.
3 HOURS
*ENROLLMENT IN SECTION &E1 IS RESTRICTED TO JAMES SCHOLARS AND STUDENTS WHO RECEIVED A GRADE OF A IN FR. 211.

02722	LECT-DISC	A	8	M	W	F	308	L	H
02723	LECT-DISC	B	9	M	W	F	242	L	H
02724	LECT-DISC	C1	10	M	W	F	232	L	H
02725	LECT-DISC	C2	10	M	W	F	392	L	H
02726	LECT-DISC	D1	11	M	W	F	219	G	H
02727	LECT-DISC	D2	11	M	W	F	3	G	H
02728	LECT-DISC	X	12	M	W	F	242	L	H
02732	LECT-DISC	*&E1	1	M	W	F	242	L	H
02729	LECT-DISC	E2	1	M	W	F	219	G	H
02730	LECT-DISC	F	2	M	W	F	212	D K	H
02731	LECT-DISC	G	3	M	W	F	212	D K	H

FR 213 COMPOSITION, I.
PREREQUISITE--FR. 104 OR FOUR YEARS OF HIGH SCHOOL FRENCH.
2 HOURS

02733	LECT-DISC	B	9	TU	TH		242	L	H
02734	LECT-DISC	F	2	TU	TH		212	D K	H

FR 214 COMPOSITION, II.
PREREQUISITE--FR. 213.
2 HOURS

02735	LECT-DISC	A	8	TU	TH		308	L	H
02736	LECT-DISC	C	10	TU	TH		242	L	H
02737	LECT-DISC	E	1	TU	TH		219	G	H

FR 215 ADVANCED CONVERSATION, I.
PREREQUISITE--FR. 212.
2 HOURS

02738	LECT-DISC		9	TU	TH		308	L	H

FR 216 ADVANCED CONVERSATION, II.
PREREQUISITE--FR. 215.
2 HOURS
*SECTIONS C AND G DO NOT MEET DURING THE PERIOD TEACHER-TRAINING MAJORS ARE OFF CAMPUS.

02740	LECT-DISC	*C	10	M W F	308	L H	
02739	LECT-DISC	D	11	TU TH	219	G H	
02741	LECT-DISC	*G	3	M W F	46	G H	

FR 282 TEACHERS COURSE.
REQUIRED FOR TEACHER-TRAINING MAJORS IN FRENCH.
PREREQUISITE--FR. 201 AND 202, OR 211 AND 212.
2 HOURS
DOES NOT MEET DURING THE PERIOD TEACHER-TRAINING MAJORS ARE OFF CAMPUS.

02742	LECT-DISC		2	M W F	232	L H	MAINOUS

FR 292 THESIS AND HONORS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

02743	CONF	&A	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ALL ADVANCED UNDERGRADUATE COURSES IN FRENCH EXCEPT FR. 382 HAVE THE FOLLOWING PREREQUISITE--FR. 201 AND 202 OR EQUIVALENT.

FR 310 SURVEY OF FRENCH LITERATURE, II.
3 HOURS, OR 3/4 OR 1 UNIT

02744	LECT-DISC		11	M W F	232	L H	VIENS

FR 318 LE THEATRE FRANCAIS DEPUIS 1800.
3 HOURS - 3/4 UNIT

02745	LECT-DISC		10	TU TH	232	L H	JAHIEL

FR 324 LITTERATURE DU DIX-SEPTIEME SIECLE, II.
3 HOURS, OR 3/4 UNIT

02746	LECT-DISC		1	TU TH	232	L H	DE LEY

FR 336 CIVILISATION FRANCAISE, II.
3 HOURS - 3/4 UNIT

02747	LECT-DISC		9	M W F	232	L H	MAINOUS

FR 382 LANGUAGE LABORATORY TECHNIQUES.
SAME AS GER., RUSS., AND SPAN. 382.
PREREQUISITE--THREE YEARS OF MODERN FOREIGN LANGUAGE AT THE COLLEGE LEVEL, OR THE EQUIVALENT.
2 HOURS, OR 1/2 UNIT

02748	LECT-DISC		9	TU TH	232	L H	NACHTMANN

COURSES FOR GRADUATES

FR 400 BEGINNING FRENCH FOR GRADUATE STUDENTS.
4 HOURS, NO GRADUATE CREDIT

02749	LECT-DISC	A1	8	TUWTHF	392	L H	
02750	LECT-DISC	A2	8	TUWTHF	207	G H	
02751	LECT-DISC	X1	12	MTUWTH	392	L H	
02752	LECT-DISC	X2	12	MTUWTH	207	G H	
02753	LECT-DISC	X3	12	MTUWTH	113	D K H	
02754	LECT-DISC	H	4	MTUWTH	392	L H	
02755	LECT-DISC	J1	5	MTUWTH	392	L H	
02756	LECT-DISC	J2	5	MTUWTH	207	G H	
02757	LECT-DISC	J3	5	MTUWTH	390	L H	

R 401 READING FRENCH FOR GRADUATE STUDENTS.
PREREQUISITE--FR. 400, OR FR. 101 AND 102, OR EQUIVALENT.
4 HOURS, NC GRADUATE CREDIT

02758	LECT-DISC	A	8	TUWTHF	3	G	H
02759	LECT-DISC	X1	12	MTUWTH	3	G	H
02760	LECT-DISC	X2	12	MTUWTH	232	L	H
02761	LECT-DISC	J1	5	MTUWTH	3	G	H
02762	LECT-DISC	J2	5	MTUWTH	232	L	H

R 406 RESEARCH METHODS.
1/4 OR 1/2 UNIT

02763	LECT-DISC	3	M	425A LIB		V BOWEN

R 410 ADVANCED SYNTAX.
PREREQUISITE--GRADUATE STANDING IN FRENCH.
1 UNIT

02764	LECT-DISC	3	M W F	242	L H	

R 424 STUDIES IN FRENCH POETRY.
1 UNIT

02765	LECT-DISC	3	TU TH	242	L H	GRAY

R 434 MONTAIGNE, LA PLEIADE.
PREREQUISITE--GRADUATE STANDING IN FRENCH.
1 UNIT

02766	LECT-DISC	11	TU TH	242	L H	B BOWEN

R 438 EIGHTEENTH CENTURY LITERATURE, II.
1 UNIT

02767	LECT-DISC	2	TU TH	242	L H	V BOWEN

R 448 NINETEENTH CENTURY LITERATURE TO 1850, II.
1 UNIT

02768	LECT-DISC	2	M W	242	L H	

R 459 SEMINAR IN MODERN FRENCH LITERATURE--1870-1935.
*STUDENTS MAY RECEIVE CREDIT MORE THAN ONCE.
*1 UNIT

02769	LECT-DISC	4-6	TH	425A LIB		KOLB

R 460 SEMINAR IN FRENCH LITERATURE.
*COURSE MAY BE REPEATED FOR CREDIT.
1 UNIT

02770	LECT-DISC	1	M W	425A LIB		

R 466 LA LITTERATURE CONTEMPORAINE, II.
PREREQUISITE--GRADUATE STANDING IN FRENCH.
1 UNIT

02771	LECT-DISC	9	TU TH	392	L H	SIMON

R 476 OLD FRENCH PHILOLOGY, II.
PREREQUISITE--FR. 475.
1 OR 1 1/4 UNIT

02772	LECT-DISC	11	M W F	242	L H	KNUDSON

R 491 INDIVIDUAL TOPICS.
PREREQUISITE--GRADUATE STANDING WITH A MAJOR OR MINOR IN FRENCH.
1/4 TO 1 UNIT

02773	CONF	ARR	STAFF

R 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

02774	CONF	ARR	STAFF

GENERAL EDUCATION

STUDENTS WHO ENTER THE GENERAL CURRICULUM IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES OR WHO ENTER OTHER SCHOOLS AND SUBSEQUENTLY TRANSFER TO THE COLLEGE ARE REQUIRED TO COMPLETE AT LEAST ONE APPROVED SEQUENCE IN EACH OF THESE AREAS--HUMANITIES, BIOLOGICAL SCIENCE, PHYSICAL SCIENCE, AND SOCIAL SCIENCE.

THE FOLLOWING REGULATIONS APPLY TO THE FOREGOING SEQUENCES--

1--STUDENTS MUST COMPLETE AT LEAST ONE OF THESE SEQUENCES DURING THE FIRST YEAR OF STUDY.
2--STUDENTS WITH SOPHOMORE STANDING MUST COMPLETE AT LEAST ONE ADDITIONAL SEQUENCE DURING THE SECOND YEAR.
3--SOME OF THE SEQUENCES ARE AT THE ADVANCED LEVEL AND REQUIRE AT LEAST JUNIOR STANDING. SUCH COURSES COUNT TOWARD ADVANCED HOURS REQUIRED FOR GRADUATION.
4--A STUDENT NEED NOT SATISFY A SEQUENCE IN THE AREA IN WHICH HIS MAJOR DEPARTMENT IS CLASSIFIED. FOR EXAMPLE, IF HIS MAJOR IS CHEMISTRY, THE STUDENT DOES NOT TAKE A GENERAL EDUCATION SEQUENCE IN PHYSICAL SCIENCE. IF HIS MAJOR IS ENGLISH, THEN NO OTHER SEQUENCE IS REQUIRED IN HUMANITIES. THE SAME IS TRUE FOR OTHER AREAS. CONSEQUENTLY, A FRESHMAN SHOULD ENROLL IN A SEQUENCE WHICH DOES NOT DUPLICATE HIS INTENDED MAJOR, AND FINAL DECISION ON THE MAJOR FIELD SHOULD BE MADE AT THE BEGINNING OF THE SOPHOMORE YEAR IF POSSIBLE.
5--IN SO FAR AS POSSIBLE, THE SEQUENCES SHOULD BE CHOSEN FROM COURSES APPROVED BY THE COLLEGE. AUTHORITY FOR SUBSTITUTIONS IN THE SEQUENCE REQUIREMENTS MUST BE OBTAINED FROM ONE OF THE DEANS. THE FOLLOWING HAVE BEEN APPROVED.

BIOLOGICAL SCIENCE

D G S 131, 132
PHYSL 103 OR 203, PSYCH 103
OR 8 HOURS IN ANY TWO OF THE FOLLOWING--

BOT 100	PHYSL 103 OR 203
ENTOM 103	ZOOL 104
MCBIO 100 AND 101	

HUMANITIES

A SIX HOUR SEQUENCE IN ONE FOREIGN LITERATURE AT THE 200 AND 300 LEVEL--NOT LANGUAGE COURSES.

ART 111, 112, PLUS EITHER A 300 COURSE IN HISTORY OF ART OR PHIL 323	HIST 131, 132
CLCIV 301, 302	HIST 323, 324
D G S 161, 162	HUMAN 151, 152
ENGL 101, 102, 103	HUMAN 211, 212
ENGL 105, 106	HUMAN 363, 364
ENGL 121, 122, 123	MUSIC 130, 131 PLUS
ENGL 251, 252, 253, 287	EITHER 312 OR 313
ANY TWO OR THREE OF THE FOUR COURSES, 6 OR 9 HOURS--	PHIL 101, 102, 105
	PHIL 303, 306
ENGL 338, 339, 340--ANY TWO OR ALL THREE COURSES, 6 OR 9 HOURS--	RUSS 309, 310--6 HOURS--
	SPEECH 177, 178

PHYSICAL SCIENCE

ASTR 101, 102	GEOG 101, 111
	GEOL 101, 102
CHEM, ANY 8 HOURS	MATH 118, 119 OR ANY 8 HOURS
D G S 141, 142	PHYCS, ANY 8 HOURS

SOCIAL SCIENCE

ANTH 102, 103	HIST 151, 152
D G S 121, 122	HIST 260, 261, 262
D G S 151, 152	PHIL 103, 104
D G S 171, 172	POL S 191, 192
ECON 108, 210	PSYCH 100, 101
ECON 108, 218	SOC 100, 243
GEOG 101, 104	SOC 104, 105
HIST 111, 112	

A STUDENT MAY NOT USE MORE THAN ONE SEQUENCE FROM ANY ONE DEPARTMENT TO SATISFY THE GENERAL EDUCATION REQUIREMENTS.

A STUDENT MAY NOT USE MORE THAN ONE SIX-HOUR OR SEVEN-HOUR SEQUENCE TO SATISFY THE GENERAL EDUCATION REQUIREMENTS.

ANY STUDENT WHO HAS COMPLETED THE SIX COURSES PRESCRIBED BY THE DIVISION OF GENERAL STUDIES HAS SATISFIED ALL THE GENERAL EDUCATION SEQUENCE REQUIREMENTS IN THE SCIENCES AND LETTERS CURRICULUM.

GENERAL ENGINEERING

DEPARTMENT OFFICE 117 T B

COURSES FOR UNDERGRADUATES

101 ENGINEERING GRAPHICAL COMMUNICATION.
PREREQUISITE--PLANE GEOMETRY.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
•3 HOURS

02775	LAB-DISC	B8	10-12	M W F	207	T B		HALL AND OTHERS
02776	LAB-DISC	D3	3-5	M W F	305	T B		
02777	LAB-DISC	G11	1-4	TU TH	114	T B		

102 ENGINEERING GEOMETRY.
PREREQUISITE--G E 101.
3 HOURS

02778	LAB-DISC	A10	8-10	M W F	113	T B		LARSON

103 ENGINEERING GRAPHICS, I.
3 HOURS

02779	LAB-DISC	A1	8-10	M W F	302	T B		HALL AND OTHERS
02780	LAB-DISC	A2	8-10	M W F	303	T B		
02781	LAB-DISC	A6	8-10	M W F	316	T B		
02782	LAB-DISC	A9	8-10	M W F	216	T B		
02783	LAB-DISC	B1	10-12	M W F	302	T B		
02784	LAB-DISC	B2	10-12	M W F	303	T B		
02785	LAB-DISC	B6	10-12	M W F	316	T B		
02786	LAB-DISC	B9	10-12	M W F	216	T B		
02787	LAB-DISC	C1	1-3	M W F	302	T B		
02788	LAB-DISC	C6	1-3	M W F	316	T B		
02789	LAB-DISC	C10	1-3	M W F	113	T B		
02790	LAB-DISC	C11	1-3	M W F	114	T B		
02791	LAB-DISC	D1	3-5	M W F	302	T B		
02792	LAB-DISC	D2	3-5	M W F	303	T B		
02793	LAB-DISC	D6	3-5	M W F	316	T B		
02794	LAB-DISC	D11	3-5	M W F	114	T B		
02795	LAB-DISC	E6	8-10	TU TH S	316	T B		
02796	LAB-DISC	E11	8-10	TU TH S	114	T B		
02797	LAB-DISC	F6	10-12	TU TH S	316	T B		
02798	LAB-DISC	F11	10-12	TU TH S	114	T B		

G E 104 ENGINEERING GRAPHICS, II.
PREREQUISITE--G.E. 103 OR EQUIVALENT.
3 HOURS
*HONORS SECTION &G3 IS OPEN ONLY TO THOSE STUDENTS SELECTED BY THE DEPARTMENT.

02799	LAB-DISC	A3	8-10	M W F	305	T B	HIPSKIND AND
02800	LAB-DISC	B3	10-12	M W F	305	T B	OTHERS
02801	LAB-DISC	B10	10-12	M W F	113	T B	
02802	LAB-DISC	C2	1-3	M W F	303	T B	
02803	LAB-DISC	C3	1-3	M W F	305	T B	
02804	LAB-DISC	C9	1-3	M W F	216	T B	
02805	LAB-DISC	D4	3-5	M W F	306	T B	
02806	LAB-DISC	D9	3-5	M W F	216	T B	
02808	LAB-DISC	&G3	1-4	TU TH	305	T B	
02807	LAB-DISC	G6	1-4	TU TH	316	T B	

G E 105 ELEMENTS OF DRAWING.
PREREQUISITE--PLANE GEOMETRY.
3 HOURS

02809	LAB-DISC	A8	8-10	M W F	207	T B	EBERT

G E 107 GEOMETRY FOR ARCHITECTS.
PREREQUISITE--PLANE GEOMETRY.
2 HOURS

02810	LAB-DISC	C8	1-3	M W F	207	T B	SHICK AND
02811	LAB-DISC	D8	3-5	M W F	207	T B	WILSON

G E 108 GEOMETRY FOR ARCHITECTS.
PREREQUISITE--G. E. 107.
2 HOURS

02812	LAB-DISC	A7	8-10	M W F	201	T B	SHICK, WILSON
02813	LAB-DISC	A11	8-10	M W F	114	T B	AND OTHERS
02814	LAB-DISC	B7	10-12	M W F	201	T B	
02815	LAB-DISC	B11	10-12	M W F	114	T B	
02816	LAB-DISC	C7	1-3	M W F	201	T B	
02817	LAB-DISC	D7	3-5	M W F	201	T B	
02818	LAB-DISC	E8	8-10	TU TH S	207	T B	
02819	LAB-DISC	F8	10-12	TU TH S	207	T B	

COURSES FOR ADVANCED UNDERGRADUATES

G E 212 GRAPHICAL CALCULATIONS.
PREREQUISITE--G. E. 103 OR EQUIVALENT, MATH. 123.
1 HOUR

02820	LAB-DISC	F3A	10-12	TU	305	T B	PLACEK
02821	LAB-DISC	F3B	10-12	TH	305	T B	
02822	LAB-DISC	G4	3-5	TU	306	T B	

G E 220 HISTORY OF ENGINEERING.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

02823	LECT-DISC	A	8	M W F	206	T B	JEWETT AND
02824	LECT-DISC	B	10	M W F	206	T B	OTHERS
02825	LECT-DISC	C	11	M W F	206	T B	
02826	LECT-DISC	D	2	M W F	206	T B	
02827	LECT-DISC	E	8-920	TU TH	206	T B	
02828	LECT-DISC	F	1-220	TU TH	206	T B	

G E 221 INTRODUCTION TO GENERAL ENGINEERING DESIGN.
PREREQUISITE--G. E. 103 AND 104, CREDIT OR REGISTRATION IN T.A.M. 150.
3 HOURS

02829	LECT-DISC	B4	10-12	M W F	306	T B	O BRYANT

G E 231 ENGINEERING ANALYSIS, I.
PREREQUISITE--G.E. 221, TAM 211.
3 HOURS

02830	LECT-DISC	C4	1-3	M W F	306	T B	MARTIN

G E 232 ENGINEERING ANALYSIS, II.
PREREQUISITE--G.E. 231, TAM. 221.
4 HOURS

02831	LECT	A	1	MTU THF	203	T B	PLACEK

G E 241 COMPONENT DESIGN.
PREREQUISITE--G. E. 232, T.A.M. 224.
4 HOURS

02832	LECT-DISC	A	9	M W F	306	T B		REYES-GUERRA
02832	LAB	A	1-3	TU	306	T B		

G E 242 PROJECT DESIGN.
PREREQUISITE--G. E. 241, 288.
3 HOURS

02833	LECT-DISC	A	9-12	TU TH	306	T B		LARSON AND OTHERS

G E 282 INTRODUCTION TO PATENT LAW.
PREREQUISITE--SENIOR STANDING.
1 HOUR

02834	LECT-DISC	A	4	M	206	T B		PORTER
02835	LECT-DISC	B	8	W	214	T B		

G E 288 ECONOMIC ASPECTS OF ENGINEERING.
SAME AS E. E. 288.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING, ECON. 108 OR CONSENT OF INSTRUCTOR.
3 HOURS
*SECTION E1 IS FOR GENERAL ENGINEERING STUDENTS ONLY.

02836	DISC	A	8	M W F	260	E E B		SCHECK AND OTHERS
02837	DISC	B	9	M W F	260	E E B		
02838	DISC	C	9	TU TH S	260	E E B		
02839	DISC	D	11	M W F	260	E E B		
02840	DISC	E	2	M W F	269	E E B		
02842	DISC	*E1	3	M W F	206	T B		
02841	DISC	F	4	M W F	260	E E B		

G E 290 CONTRACTS AND SPECIFICATIONS
SAME AS C. E. 290.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR ARCHITECTURE.
3 HOURS

02843	LECT-DISC	E	1	M W F	202	C E H		PORTER
02844	LECT-DISC	F	10	M W F	202	C E H		

G E 291 GENERAL ENGINEERING SEMINAR.
PREREQUISITE--SENIOR STANDING IN GENERAL ENGINEERING.
1 HOUR

02845	LECT-DISC	A	3-5	W	203	T B		DOBROVOLNY

G E 292 ENGINEERING LAW.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR ARCHITECTURE, OR CONSENT OF INSTRUCTOR.
3 HOURS

02846	LECT-DISC	A	9	M W F	206	T B		PORTER
02847	LECT-DISC	B	2	M W F	203	T B		
02848	LECT-DISC	C	10-1120	TU TH	206	T B		

G E 293 SPECIAL PROBLEMS.
PREREQUISITE--JUNIOR STANDING AND CONSENT OF INSTRUCTOR.
3 HOURS
*SECTION A IS FOR STUDENTS INTERESTED IN STUDYING IN DEPTH THE CENTRAL FIGURES, WORKS, AND CONTRIBUTIONS IN THE EVOLUTION OF MODERN TECHNOLOGY AND METHODS FROM THE ARCHEOLOGICAL EVIDENCES OF PRE-HISTORY TO TODAY.

02850	LECT-DISC	*A	3-420	TU TH	203	T B		JEWETT
02849	CONF	&B	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

G E 304 PROFESSIONAL EXPRESSION.
SAME AS ENGL. 304.
PREREQUISITE--ADVANCED OR GRADUATE STANDING AND CONSENT OF INSTRUCTOR.
*3 OR 4 HOURS, OR 1 UNIT

02851	LECT-DISC	D	*11	M W F	214	T B		MCCLINTOCK

G E 330 INDUSTRIAL STANDARDIZATION.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

02852	LECT	A	10	TU TH	216	T B	SPALDING

G E 393 SPECIAL PROBLEMS.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
1 TO 4 HOURS, OR 1/2 OR 1 UNIT
*SECTION &A IS FOR GENERAL ENGINEERING STUDENTS
*SECTION S2 IS FOR STUDENTS OF NON-TECHNICAL COLLEGES WHO ANTICIPATE WORKING WITH ENGINEERS. THIS COURSE COVERS SPECIAL PROBLEMS PERTAINING TO THE INTERDEPENDENCE AND COMMUNICATION OF IDEAS BETWEEN ENGINEERING, BUSINESS ADMINISTRATION, ACCOUNTING, MARKETING AND FINANCE -- AND ALSO INCLUDES THE HISTORY, BRANCHES AND TERMINOLOGY OF ENGINEERING. CREDIT -- 3 HOURS OR 1/2 UNIT
*SECTIONS S AND B ARE RESTRICTED TO SUCCESSFUL APPLICANTS TO AN ACADEMIC YEAR INSTITUTE SPONSORED BY THE NATIONAL SCIENCE FOUNDATION FOR INSTRUCTORS IN JUNIOR COLLEGES AND TECHNICAL INSTITUTES TEACHING IN TECHNICAL AND PRE-ENGINEERING CURRICULA. SECTION S WILL BE A STUDY OF TECHNICAL EDUCATION PROBLEMS. CREDIT--1 HOUR. SECTION B COVERS THE APPLICATION OF DIFFERENTIAL EQUATIONS TO ELECTRICAL ENGINEERING PROBLEMS. CREDIT--3 HOURS.
*SECTION E4 IS FOR TEACHERS OF DRAFTING AND ENGINEERING GRAPHICS. A THEORY AND LABORATORY COURSE INTENDED TO SERVE THE INDUSTRIAL EDUCATION TEACHER INTERESTED IN DEVELOPING AN UNDERSTANDING OF CURRENT PRACTICES IN DRAFTING AND ENGINEERING GRAPHICS TO IMPROVE HIS INDUSTRIAL EDUCATION INSTRUCTION. CREDIT--4 HOURS OR 1 UNIT.

02853	CONF	*&A	ARR				STAFF
02854	LAB-DISC	*G2	1-3	TU TH	303	T B	BERKOW & OTHERS AND OTHERS
02855	LECT-DISC	*S	9-11	TU	214	T B	DOBROVOLNY
02856	LECT-DISC	*B	9	M W F	214	T B	PLACEK
02857	LAB-DISC	*E4	9-12	S	306	T B	HALL

GEOGRAPHY

DEPARTMENT OFFICE 220 D H

MAJOR--TWENTY HOURS IN GEOGRAPHY IN ADDITION TO GEOGRAPHY 101. AT LEAST FIFTEEN OF THE TWENTY HOURS MUST BE IN COURSES CARRYING ADVANCED CREDIT. INDIVIDUAL PROGRAMS ARE ARRANGED FOR MAJOR STUDENTS WITH THE FOLLOWING SPECIAL INTERESTS--LIBERAL EDUCATION, BUSINESS, CARTOGRAPHY, GOVERNMENT, TEACHING, OR GRADUATE STUDY. THESE PROGRAMS INCLUDE DEPARTMENTAL COURSES, MINOR FIELDS, AND RECOMMENDED ELECTIVES.

MINORS--TWENTY HOURS IN ONE OR TWO COLLEGE OF LIBERAL ARTS AND SCIENCES DEPARTMENTS OR IN INTERDEPARTMENTAL PROGRAMS APPROVED BY THE COLLEGE. MINOR PROGRAMS IN DEPARTMENTS OUTSIDE THE COLLEGE OF LIBERAL ARTS AND SCIENCES MAY BE ARRANGED IN CONSULTATION WITH THE DEPARTMENTAL ADVISER AND WITH THE APPROVAL OF THE DEAN OF THE COLLEGE. AT LEAST EIGHT HOURS OF THE TWENTY MINOR HOURS MUST BE TAKEN IN EACH IF THE STUDENT ELECTS TO MINOR IN TWO DIFFERENT DEPARTMENTS.

DEPARTMENTAL DISTINCTION--STUDENTS ELIGIBLE FOR GRADUATION WITH HONORS IN LIBERAL ARTS AND SCIENCES SHOULD CONSULT WITH THE DEPARTMENTAL ADVISER CONCERNING GRADUATION WITH DISTINCTION IN GEOGRAPHY.

GEOG 101 ELEMENTS OF GEOGRAPHY.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.
*5 HOURS

02858	LECT	A	8	TU TH	314	A	H		ALEXANDER
02859	LECT	B	10	TU TH	314	A	H		ALEXANDER
02860	QUIZ	1	8	M W F	177	D	H		
02861	QUIZ	2	9	M W F	177	D	H		
02862	QUIZ	3	10	M W F	177	D	H		
02863	QUIZ	4	10	M W F	175	D	H		
02864	QUIZ	5	11	M W F	177	D	H		
02865	QUIZ	6	11	M W F	175	D	H		
02866	QUIZ	7	1	M W F	177	D	H		
02867	QUIZ	8	1	M W F	175	D	H		
02868	QUIZ	9	2	M W F	177	D	H		
02869	QUIZ	10	2	M W F	175	D	H		
02870	QUIZ	11	3	M W F	177	D	H		
02871	QUIZ	12	3	M W F	175	D	H		

GEOG 104 WORLD REGIONAL GEOGRAPHY.
PREREQUISITE--GEOG. 101 OR CONSENT OF INSTRUCTOR.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02872	LECT	A	9	TU TH	314	A	H		GARLAND
02873	LECT	B	11	TU TH	314	A	H		GARLAND
02874	QUIZ	1	8	TU	175	D	H		
02875	QUIZ	2	8	TH	175	D	H		
02876	QUIZ	3	10	TU	175	D	H		
02877	QUIZ	4	10	TH	175	D	H		
02878	QUIZ	5	1	TU	175	D	H		
02879	QUIZ	6	1	TH	175	D	H		
02880	QUIZ	7	2	TU	175	D	H		
02881	QUIZ	8	2	TH	175	D	H		
02882	QUIZ	9	3	TU	175	D	H		
02883	QUIZ	10	3	TH	175	D	H		

GEOG 105 INTRODUCTORY ECONOMIC GEOGRAPHY.
*CREDIT IS NOT GIVEN IN ADDITION TO NAVY PIER GEOG. 106.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

02884	LECT	A	11	TU TH	112	C	A		ROEPKE
02885	QUIZ	1	8	TU	177	D	H		ROEPKE
02886	QUIZ	2	8	TH	177	D	H		
02887	QUIZ	3	10	TU	177	D	H		
02888	QUIZ	4	10	TH	177	D	H		
02889	QUIZ	5	1	TU	177	D	H		
02890	QUIZ	6	1	TH	177	D	H		

GEOG 111 INTRODUCTORY METEOROLOGY.
PREREQUISITE--GEOG. 101 OR CONSENT OF INSTRUCTOR.
3 HOURS

02891	LECT	A	8	TU TH	229	N	H	B	PAGE
02892	LECT	B	10	TU TH	112	C	A		PAGE
02893	QUIZ	1	9	TU	323	D	H		
02894	QUIZ	2	9	TH	323	D	H		
02895	QUIZ	3	11	TU	323	D	H		
02896	QUIZ	4	11	TH	323	D	H		
02897	QUIZ	5	2	M	323	D	H		
02898	QUIZ	6	2	W	323	D	H		
02899	QUIZ	7	1	F	323	D	H		
02900	QUIZ	8	1	TU	323	D	H		
02901	QUIZ	9	2	TU	323	D	H		
02902	QUIZ	10	2	TH	313	D	H		
02903	QUIZ	11	3	M	323	D	H		
02904	QUIZ	12	3	W	323	D	H		

GEOG 185 INTRODUCTION TO SOCIAL SCIENCE RESEARCH METHODS.
SAME AS ANTH. AND SOC. 185.
PREREQUISITE--SOC. 100, OR CONSENT OF INSTRUCTOR, OR SIX HOURS IN SOCIOLOGY, POLITICAL SCIENCE, ANTHROPOLOGY, OR GEOGRAPHY.
3 HOURS

02905	LECT-DISC	A	930-11	TU TH	318	L	H
02906	LECT-DISC	B	11-1230	TU TH	318	L	H

COURSES FOR ADVANCED UNDERGRADUATES

GEOG 210 GEOGRAPHY IN WORLD AFFAIRS.
3 HOURS

02907	LECT-DISC	C	10	TU	113	D H		FELLMANN
		C	10-12	TH	113	D H		

GEOG 211 AGRICULTURAL CLIMATOLOGY.
3 HOURS

02908	LECT-DISC	A	8	M W F	323	D H		PAGE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GEOG 306 MAPS AND CARTOBIBLIOGRAPHICAL AIDS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS OR 1/2 UNIT

02909	LECT-DISC	A	8-10	TU	428	LIB		WHITE

GEOG 314 REGIONAL PROBLEMS IN CONSERVATION OF NATURAL RESOURCES.
PREREQUISITE--A PREVIOUS COURSE IN CONSERVATION OR WORKSHOP OR FIELD WORK TRAINING IN CONSERVATION.
3 HOURS, OR 3/4 UNIT

02910	LECT-DISC	G	2	M W F	113	D H		BOOTH

GEOG 323 GEOGRAPHY OF THE NORTH AMERICAN MIDWEST.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY OR CONSENT OF INSTRUCTOR.
3 HOURS OR 3/4 UNIT

02911	LECT-DISC	C	10	M W F	323	D H		GARLAND

GEOG 332 GEOGRAPHY OF SOUTH AMERICA.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY, ENROLLMENT IN LATIN-AMERICAN STUDIES PROGRAM, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

02912	LECT-DISC	A	9	M W F	113	D H		THOMPSON

GEOG 342 GEOGRAPHY OF EUROPE.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

02913	LECT-DISC	D	11	M W F	219	D H		RUSSELL

GEOG 355 GEOGRAPHY OF CENTRAL AND SOUTH AFRICA.
PREREQUISITE--EIGHT HOURS OF GEOGRAPHY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

02914	LECT-DISC	B	9	M W F	113	D H		ALEXANDER

GEOG 361 GEOGRAPHY OF AGRICULTURAL LAND UTILIZATION.
3 HOURS, OR 3/4 UNIT

02915	LECT-DISC	B	9	M W F	323	D H		FOSTER AND SMITH

GEOG 366 LOCATION OF INDUSTRY AND OTHER ECONOMIC ACTIVITIES--THEORY AND PRACTICE.
3 HOURS, OR 3/4 UNIT

02916	LECT-DISC	C	10	M W F	113	D H		ROEPKE

GEOG 370 QUANTITATIVE METHODS IN GEOGRAPHY.
PREREQUISITE--GEOG. 185, ONE YEAR COLLEGE MATHEMATICS, ONE COURSE IN STATISTICS, OR THE EQUIVALENT.
3 HOURS OR 3/4 UNIT

02917	LECT-DISC		3-5	W F	219	D H		ARMSTRONG AND WATSON

GEOG 372 INTRODUCTION TO RESEARCH, II.
2 HOURS, OR 1/2 UNIT

02918	CONF		ARR					STAFF

GEOG 373 MAP COMPILATION AND CONSTRUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT
02919 LECT-DISC G 2-5 M W 318 D H FOSTER

GEOG 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS ANTH., H. ED., PHYSL., PSYCH., SOC., AND V.M.S. 374.
PREREQUISITE--ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S. OR ZOOL. 369.
4 HOURS OR 1 UNIT
02920 LECT-DISC D 11 M WTHF 242 PEV HALL ALEXANDER AND OTHERS

GEOG 378 DESCRIPTIVE INTERPRETATION OF REMOTE SENSORS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
TWO HALF-DAY SATURDAY FIELD TRIPS ARE REQUIRED.
4 HOURS, OR 1 UNIT
02921 LECT-DISC G 2-5 TU TH 318 D H BOOTH

GEOG 383 URBAN GEOGRAPHY.
4 HOURS, OR 1 UNIT
02922 LECT-DISC F 1-3 TU TH 113 D H FELLMANN

COURSES FOR GRADUATES

GEOG 412 ANALYTICAL CLIMATOLOGY.
PREREQUISITE--GEOG. 111, 313, OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT
02923 DISC F 1-3 W 225 D H PAGE

GEOG 421 REGIONAL CONCEPTS IN GEOGRAPHY.
PREREQUISITE--NINE HOURS OF REGIONAL GEOGRAPHY.
1/2 UNIT
02924 LECT-DISC F 1-3 TH 323 D H GARLAND

GEOG 463 HISTORICAL GEOGRAPHY.
1 UNIT
02925 CONF ARR RUSSELL

GEOG 495 ADVANCED STUDIES IN GEOGRAPHY.
1/2 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING FIELDS--
THE FOLLOWING FIELDS--

LATIN AMERICA	ALEXANDER, PAGE, THOMPSON
PHYSICAL GEOGRAPHY	ALEXANDER
MATHEMATICAL GEOGRAPHY	BOOTH
EUROPE	FOSTER AND RUSSELL
ANGLO-AMERICA	GARLAND
HUMAN ECOLOGY	ALEXANDER
U.S.S.R.	FELLMANN
ECONOMIC GEOGRAPHY	ROEPKE
PROBLEMS OF GEOGRAPHIC STUDY	RUSSELL

02926 CONF ARR STAFF

GEOG 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
02927 CONF ARR STAFF

DEPARTMENT OFFICE 234 N H

MAJOR--TWENTY HOURS IN GEOLOGY, EXCLUDING GEOL. 101, PHYSICAL GEOLOGY, 105, AGRICULTURAL GEOLOGY, AND 150, GEOLOGY FOR ENGINEERS. THE FOLLOWING COURSES, IN ADDITION TO GEOL. 101, PHYSICAL GEOLOGY, ARE FUNDAMENTAL FOR A MAJOR IN GEOLOGY--102, HISTORICAL GEOLOGY, 131 AND 132, MINERALOGY, 301, GEOMORPHOLOGY, 311, STRUCTURAL GEOLOGY 320, PALEONTOLOGY, 321, STRATIGRAPHY, 317, FIELD GEOLOGY IN THE ROCKY MOUNTAINS, G E 205, APPLIED DESCRIPTIVE GEOMETRY IN GEOLOGICAL PROBLEMS, CHEM. 101 OR 102, GENERAL CHEMISTRY, PHYSICS 101, GENERAL PHYSICS, MATH. 112, COLLEGE ALGEBRA, MATH. 114, TRIGONOMETRY, AND MATH. 123 OR 122, ANALYTIC GEOMETRY.

STUDENTS ARE ADVISED TO TAKE MATH. 132 AND 142, OR MATH. 133 AND 143 CALCULUS, AND PHYSICS 102, GENERAL PHYSICS.

STUDENTS WHOSE PRIMARY INTEREST IS MINERALOGY, PETROLOGY, AND MINERAL DEPOSITS SHOULD ALSO TAKE CHEM. 105, INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS, AND CHEM. 245 AND 246, PHYSICAL CHEMISTRY FOR ENGINEERS, OR THE EQUIVALENT. IT IS ALSO ADVISABLE FOR SUCH STUDENTS TO TAKE GEOL. 335, OPTICAL MINERALOGY, AND GEOL. 336, PETROGRAPHY, DURING THE SENIOR YEAR.

MINORS--TWENTY HOURS CHOSEN FROM ONE OR TWO OF THE FOLLOWING SUBJECTS--ASTRONOMY, BOTANY, CHEMISTRY, CIVIL ENGINEERING, ECONOMICS GEOGRAPHY, MATHEMATICS, MINING ENGINEERING, PHYSICS, AND ZOOLOGY, AFTER CONSULTATION WITH THE DEPARTMENT OF GEOLOGY. AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH SUBJECT IF TWO ARE CHOSEN.

DEPARTMENTAL DISTINCTION--ONLY THOSE STUDENTS WHO HAVE CREDIT IN GEOL. 290 AND WRITE A THESIS ARE RECOMMENDED FOR GRADUATION WITH DEPARTMENTAL DISTINCTION. EACH STUDENT WHO DESIRES TO REGISTER MUST OBTAIN A WRITTEN STATEMENT FROM THE INSTRUCTOR UNDER WHOM HE IS TO WORK AND PRESENT IT TO THE HEAD OF THE DEPARTMENT AT THE TIME OF REGISTRATION.

NOTE--CERTAIN GEOLOGY COURSES ARE OFFERED ONLY IN ALTERNATE YEARS--324, VERTEBRATE PALEONTOLOGY, 401, ADVANCED DYNAMIC GEOLOGY, 402, ADVANCED HISTORICAL GEOLOGY, 428, PALYNOLOGY.

AT LEAST ONE YEAR OF GRADUATE WORK IS NECESSARY AS FURTHER TRAINING FOR ALL PROFESSIONAL WORK IN GEOLOGY.

COURSES FOR UNDERGRADUATES

GEOL 101 PHYSICAL GEOLOGY.
FIELD TRIP.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS REGISTERED IN QUIZ SECTIONS LISTED UNDER LECT. A MUST ENROLL IN LECT. A, THOSE UNDER LECT. B, IN LECT. B.
*QUIZ SECTIONS &5 AND &12 AND LAB. SECTION &12 ARE RESERVED FOR JAMES SCHOLARS AND OTHER SUPERIOR STUDENTS. ADMISSION TO THESE SECTIONS REQUIRE CONCURRENT REGISTRATION IN GEOL. 111.

02928	LECT	A	8	M	W		228	N	H B
02929	QUIZ	1	8			F	228	N	H B
02930	QUIZ	2	8			F	251	N	H B
02931	QUIZ	3	8			F	109	N	H B
02932	QUIZ	4	8			F	143	N	H B
02956	QUIZ	*&5	8			F	236	N	H B
02933	QUIZ	6	9			F	120	N	H B
02934	QUIZ	7	10			F	251	N	H B
02935	LECT	B	1	M	W		228	N	H B
02936	QUIZ	8	1			F	228	N	H B
02937	QUIZ	9	1			F	251	N	H B
02938	QUIZ	10	1			F	143	N	H B
02939	QUIZ	11	1			F	120	N	H B
02957	QUIZ	*&12	1			F	236	N	H B
02940	QUIZ	13	2			F	251	N	H B
02941	QUIZ	14	2			F	109	N	H B

GEOL 101 CONTINUED

02942	LAB	1	8-10	TU	251	N H B	
02943	LAB	2	8-10	TH	251	N H B	
02944	LAB	3	8-10	TU	120	N H B	
02945	LAB	4	10-12	TU	251	N H B	
02946	LAB	5	10-12	TH	251	N H B	
02947	LAB	6	10-12	W	251	N H B	
02948	LAB	7	1-3	TU	251	N H B	
02949	LAB	8	1-3	TH	251	N H B	
02950	LAB	9	3-5	TU	251	N H B	
02951	LAB	10	1-3	TH	120	N H B	
02952	LAB	11	2-4	W	120	N H B	
02957	LAB	*&12	1-3	TU	120	N H B	
02953	LAB	13	3-5	TU	120	N H B	
02954	LAB	14	3-5	TH	251	N H B	
02955	LAB	15	3-5	W	251	N H B	

GEOL 102 HISTORICAL GEOLOGY.

PREREQUISITE--GEOL. 101 OR D.G.S. 142.
FIELD TRIP.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS REGISTERED IN LAB.-DISC. SECTIONS LISTED UNDER LECT. A MUST ENROLL IN LECT. A. THOSE UNDER LECT. B, IN LECT. B, THOSE UNDER LECT. C, IN LECT. C, THOSE UNDER LECT. D IN LECTURE D. AND THOSE UNDER LECT. E IN LECT. E.
*JAMES SCHOLARS AND OTHER SUPERIOR STUDENTS MAY ENROLL IN ANY LECTURE SECTION BUT MUST REGISTER FOR LAB-DISC &11 INSTEAD OF THOSE LAB-DISC SECTIONS LISTED FOR THAT SPECIFIC LECTURE.
ADMISSION TO THIS SECTION REQUIRES CONCURRENT REGISTRATION IN GEOLOGY 112.

02958	LECT	A	8	M W F	247	N H B	
02959	LAB-DISC	1	8-10	TU	143	N H B	
02960	LAB-DISC	2	8-10	TH	143	N H B	
02961	LECT	B	9	M W F	247	N H B	
02962	LAB-DISC	3	10-12	W	143	N H B	
02963	LAB-DISC	4	1-3	W	143	N H B	
02964	LECT	C	10	M W F	247	N H B	
02965	LAB-DISC	5	10-12	TU	143	N H B	
02966	LAB-DISC	6	10-12	TH	143	N H B	
02967	LECT	D	1	M W F	247	N H B	
02968	LAB-DISC	7	10-12	TU	147	N H B	
02969	LAB-DISC	8	10-12	TH	147	N H B	
02970	LECT	E	2	M W F	247	N H B	
02971	LAB-DISC	9	3-5	TU	143	N H B	
02972	LAB-DISC	10	1-3	TH	143	N H B	
02973	LAB-DISC	*&11	1-3	TU	143	N H B	

GEOL 105 AGRICULTURAL GEOLOGY.

FOR AGRICULTURE STUDENTS ONLY.
PREREQUISITE--ONE SEMESTER OF CHEMISTRY.
ONE-HALF DAY FIELD TRIP, ESTIMATED EXPENSE $1.50.
4 HOURS

02974	LECT		9	TU TH	124	BUR HALL	JOHNSON
02975	QUIZ	A	1	W	109	N H B	
02976	QUIZ	B	1	W	120	N H B	
02977	QUIZ	C	1	W	251	N H B	
02978	QUIZ	D	2	W	251	N H B	
02979	QUIZ	E	2	W	109	N H B	
02980	QUIZ	F	2	F	143	N H B	
02981	LAB	1	1-3	TU	109	N H B	
02982	LAB	2	3-5	TU	109	N H B	
02983	LAB	3	1-3	TH	109	N H B	
02984	LAB	4	3-5	TH	109	N H B	
02985	LAB	5	10-12	TU	109	N H B	
02986	LAB	6	10-12	TH	109	N H B	

GEOL 110 FIELD WORK.

PREREQUISITE--GEOL. 101, 105, 150, OR D.G.S. 142, CONSENT OF INSTRUCTOR.
FIELD TRIP.
*CREDIT IS GIVEN ONLY ON THE COMPLETION OF A SATISFACTORY WRITTEN REPORT.
*2 HOURS
ONE WEEK FIELD TRIP IN SOUTHERN INDIANA, EASTERN KENTUCKY AND TENNESSEE DURING SPRING VACATION.

02987	LAB-DISC		7PM	TH	247	N H B	JOHNSON

GEOL 111 HONORS--PHYSICAL GEOLOGY.
PREREQUISITE--CONCURRENT REGISTRATION IN THE HONORS SECTIONS OF GEOL. 101, JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
1 HOUR

02988	LAB-DISC	&A	ARR						WAHL

GEOL 112 HONORS--HISTORICAL GEOLOGY.
PREREQUISITE--CONCURRENT REGISTRATION IN THE HONORS LABORATORY OF GEOL. 102, JAMES SCHOLAR OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
1 HOUR

02989	LAB-DISC	&A	ARR						JOHNSON

GEOL 130 MINERALOGY FOR ENGINEERS.
FOR ENGINEERING STUDENTS ONLY. PREREQUISITE--ONE SEMESTER OF COLLEGE CHEMISTRY.
3 HOURS

02990	LECT	1	9	TU TH		147	N H B		HENDERSON
02990	LAB	1	9-12		S	147	N H B		

GEOL 132 MINERALOGY, II.
PREREQUISITE--GEOL. 131.
4 HOURS

02991	LECT		8	TU TH		247	N H B		HENDERSON
02992	LAB	1	1-3	TU TH		147	N H B		
02993	LAB	2	3-5	TU TH		147	N H B		

GEOL 150 GEOLOGY FOR ENGINEERS.
PREREQUISITE--SOPHOMORE STANDING IN THE COLLEGE OF ENGINEERING.
3 HOURS

02994	LECT		9	M W		124	BUR HALL		
02995	QUIZ	1	9		F	251	N H B		
02996	QUIZ	2	9		F	143	N H B		
02997	QUIZ	3	9		F	124	BUR HALL		
02998	QUIZ	4	9		F	109	N H B		
02999	QUIZ	5	9		F	147	N H B		

COURSES FOR ADVANCED UNDERGRADUATES

GEOL 290 INTRODUCTION TO RESEARCH.
CREDIT TO BE ARRANGED.

03000	CONF	&A	ARR						STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GEOL 311 STRUCTURAL GEOLOGY.
PREREQUISITE--GEOL. 102, G. E. 205, OR CONSENT OF INSTRUCTOR.
2 DAY FIELD TRIP.
4 HOURS, OR 1 UNIT

03001	LECT		3	M W F		247	N H B		HARRINGTON
03002	LAB	1	3-5	TH		143	N H B		
03003	LAB	2	3-5	TH		236	N H B		

GEOL 315 FIELD METHODS.
PREREQUISITE--GEOL. 102.
FIELD TRIP.
*CREDIT IS GIVEN ONLY ON THE COMPLETION OF A SATISFACTORY WRITTEN REPORT.
*2 HOURS, OR 1/2 UNIT
ONE WEEK FIELD TRIP IN SOUTHERN ILLINOIS OR WESTERN KENTUCKY DURING SPRING VACATION.

03004	LAB-DISC		8-12		S	251	N H B		WANLESS

GEOL 321 STRATIGRAPHY.
PREREQUISITE--GEOL. 320.
4 HOURS, OR 1 UNIT

03005	LECT		9	M W F		236	N H B		SCOTT
03006	LAB	1	8	TH		236	N H B		
03007	LAB	2	9	TH		236	N H B		

GEOL 325 PALEOBOTANY.
SAME AS BOT. 325.
PREREQUISITE--BOT. 100 OR D.G.S. 131 AND 132, GEOL. 101 OR CONSENT OF INSTRUCTOR.
2 OR 3 FIELD TRIPS.
5 HOURS, OR 1 UNIT

03008	LAB-DISC		1-3	M W F	415	N H B		STAFF

GEOL 336 PETROGRAPHY.
PREREQUISITE--GEOL. 335.
4 HOURS, OR 1 UNIT

03009	LECT		1	TU	247	N H B		CHAPMAN
03010	LAB	1	1-3	M W F	254	N H B		
03011	LAB	2	3-5	M W F	254	N H B		

COURSES FOR GRADUATES

GEOL 409 SEDIMENTATION.
1 UNIT

03012	LECT		8	M W F	120	N H B		WANLESS

GEOL 420 PALEOECOLOGY.
PREREQUISITE--GEOL. 320 OR EQUIVALENT.
1 UNIT

03013	LECT	1	10	M W F	236	N H B		HAY
03013	LAB	1	10-12	TU	236	N H B		

GEOL 423 STRATIGRAPHIC GEOLOGY--MESOZOIC AND CENOZOIC.
PREREQUISITE--GEOL. 321.
1 UNIT

03014	LECT		ARR					LANGENHEIM

GEOL 426 MICROPALEONTOLOGY--OSTRACODA.
PREREQUISITE--GEOL. 320 OR ZOOL. 320.
1 UNIT

03015	LECT		ARR					SCOTT

GEOL 431 STRUCTURAL MINERALOGY.
PREREQUISITE--GEOL. 430 AND CONSENT OF INSTRUCTOR.
1 UNIT

03016	LECT	1	2	M W	147	N H B		HENDERSON
03016	LAB	1	2-4	F	147	N H B		

GEOL 432 GEOCHEMISTRY.
PREREQUISITE--GEOL. 336 OR CHEM. 321, OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

03017	LECT		11	M W F	120	N H B		WAHL

GEOL 436 METAMORPHIC PETROLOGY.
1 UNIT

03018	LECT		9	M W F	254	N H B		CHAPMAN

GEOL 438 SEDIMENTARY PETROGRAPHY.
PREREQUISITE--GEOL. 335 AND 437.
1 UNIT

03019	LECT		3	M W F	143	N H B		CAROZZI

GEOL 444 MINERAL DEPOSITS, II.
PREREQUISITE--GEOL. 443.
1 UNIT

03020	LECT-DISC		ARR					HAGNER

GEOL 473 GEOLOGICAL OCEANOGRAPHY.
1 UNIT

03021	LECT		ARR					RICHARDS

GEOL 493 ADVANCED STUDIES IN GEOLOGY.
1/2 TO 2 UNITS

CLAY MINERALOGY	GRIM
ENGINEERING GEOLOGY	DEERE, RICHARDS
GEOMORPHOLOGY AND GLACIAL GEOLOGY	SHAFFER, WHITE
GEOTECTONICS	CAROZZI
GROUND-WATER GEOLOGY	FARVOLDEN
MICROPALEONTOLOGY	SCOTT
MINERAL DEPOSITS	HAGNER
MINERALOGY AND CRYSTALLOGRAPHY	HENDERSON
PALEOBOTANY--SEE BOT. 493	STEWART
PALEONTOLOGY	HAY, SCOTT
PENNSYLVANIAN STRATIGRAPHY	WANLESS
PETROGRAPHY AND PETROLOGY	CHAPMAN
SEDIMENTARY PETROLOGY	CAROZZI, RICHARDS, WANLESS
STRATIGRAPHY	LANGENHEIM, SCOTT, DENNISON

03022 CONF ARR STAFF

GEOL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
03023 CONF ARR STAFF

GERMANIC LANGUAGES AND LITERATURES

DEPARTMENT OFFICE 371 L H

MAJOR--TWENTY HOURS IN GERMAN, EXCLUDING GERMAN 101, 102, 103, 104 AND 113, AND INCLUDING AT LEAST SIX HOURS IN COURSES IN THE 300 GROUP--NORMALLY 301 AND 302--OR EQUIVALENT.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO SUBJECTS CHOSEN FROM THE FOLLOWING LIST, WITH AT LEAST EIGHT HOURS IN EACH SUBJECT--EDUCATION ENGLISH--EXCLUDING RHET. 101, 102, AND 200--FRENCH, GREEK, HISTORY, ITALIAN, LATIN, LIBRARY SCIENCE, LINGUISTICS--EXCLUDING LING. 301--MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, AND SPANISH. THE FIRST SEMESTER OF ANY FOREIGN LANGUAGE--FR. 101, GRK. 101, ITAL. 101, LAT. 101, PORT. 101, RUSS. 101, SPAN. 101--MAY NOT BE COUNTED TOWARD A MINOR IN THAT LANGUAGE.

COURSES FOR UNDERGRADUATES

GER 101 ELEMENTARY COURSE, I.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR GER. 101 WITHOUT GER. 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*SECTION &S IS PARTICULARLY FOR JAMES SCHOLARS OR OTHER SPECIAL STUDENTS.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HALF-HOUR PERIODS OF WORK WEEKLY IN THE LANGUAGE LABORATORY, ROOM 202 L. H., ONE FROM EACH OF THE FOLLOWING SESSIONS--FIRST SESSION--8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, 1, 1.30, 2, 2.30, 3, 3.30, 4, 4.30, 5, 5.30, 7, 7.30, 8, 8.30, M. SECOND SESSION 8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, 1, 1.30, 2, 2.30, 3, 3.30, 4, 4.30, 5, 5.30, 7, 7.30, 8, 8.30, W.

03024	LECT-DISC	A	8	MTUWTH	310	D K H
03025	LECT-DISC	B	9	MTUWTH	310	D K H
03026	LECT-DISC	C	10	MTUWTH	310	D K H
03027	LECT-DISC	D1	11	MTUWTH	310	D K H
03028	LECT-DISC	D2	11	MTUWTH	312	D K H
03029	LECT-DISC	X	12	MTUWTH	310	D K H
03034	LECT-DISC	*&S	1	MTUWTH	332	L H
03030	LECT-DISC	F	2	MTUWTH	310	D K H
03031	LECT-DISC	G	3	MTUWTH	310	D K H
03032	LECT-DISC	H	4	MTUWTH	310	D K H
03033	LECT-DISC	J	5	MTUWTH	310	D K H

GER 102 ELEMENTARY COURSE, II.
PREREQUISITE--GER. 101 OR ONE YEAR OF HIGH SCHOOL GERMAN.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*SECTION &S IS PARTICULARLY FOR JAMES SCHOLARS OR OTHER SPECIAL STUDENTS.
*SECTION &X3 IS A PROFICIENCY SECTION IN WHICH STUDENTS WILL RECEIVE CREDIT FOR 102 AND FOR 103. LIMITED TO 20 STUDENTS WHO MADE THE HIGHEST GRADES IN 101 THE PRECEDING SEMESTER.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HALF-HOUR PERIODS OF WORK WEEKLY IN THE LANGUAGE LABORATORY, ROOM 202 L. H., ONE FROM EACH OF THE FOLLOWING SESSIONS--FIRST SESSION--8, 830, 9, 930, 10, 1030, 11, 1130, 12, 1230, 1, 130, 2, 230, 3, 330, 4, 430, 5, 530, 7, 730, 8, 830, T. SECOND SESSION--8, 830, 9, 930, 10, 1030, 11, 1130, 12, 1230, 1, 130, 2, 230, 3,

03035	LECT-DISC	A1	8	MTUWTH	312	D K H
03036	LECT-DISC	A2	8	MTUWTH	221	G H
03037	LECT-DISC	B1	9	MTUWTH	216	L H
03038	LECT-DISC	B2	9	MTUWTH	312	D K H
03039	LECT-DISC	C1	10	MTUWTH	312	D K H
03040	LECT-DISC	C2	10	MTUWTH	221	G H
03041	LECT-DISC	D1	11	MTUWTH	111	G H
03042	LECT-DISC	D2	11	MTUWTH	221	G H
03043	LECT-DISC	X1	12	MTUWTH	111	G H
03044	LECT-DISC	X2	12	MTUWTH	221	G H
03058	LECT-DISC	*&X3	12	MTUWTH	388	L H
03059	LECT-DISC	*&S	1	MTUWTH	216	L H
03045	LECT-DISC	E1	1	MTUWTH	111	G H
03046	LECT-DISC	E2	1	MTUWTH	221	G H
03047	LECT-DISC	F1	2	MTUWTH	111	G H
03048	LECT-DISC	F2	2	MTUWTH	221	G H
03049	LECT-DISC	F3	2	MTUWTH	321	G H
03050	LECT-DISC	G1	3	MTUWTH	111	G H
03051	LECT-DISC	G2	3	MTUWTH	221	G H
03052	LECT-DISC	G3	3	MTUWTH	321	G H
03053	LECT-DISC	H1	4	MTUWTH	221	G H
03054	LECT-DISC	H2	4	MTUWTH	329	G H
03055	LECT-DISC	H3	4	MTUWTH	312	D K H
03056	LECT-DISC	J1	5	MTUWTH	312	D K H
03057	LECT-DISC	J2	5	MTUWTH	388	L H

GER 103 INTERMEDIATE COURSE, I.
PREREQUISITE--GER. 102, TWO YEARS OF HIGH SCHOOL GERMAN, OR EQUIVALENT.
4 HOURS
STUDENTS MUST REGISTER FOR ONE-HALF HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.

03060	LECT-DISC	A	8	MTUWTH	332	L H
03061	LECT-DISC	B	9	MTUWTH	332	L H
03062	LECT-DISC	C	10	MTUWTH	336	G H
03063	LECT-DISC	D	11	MTUWTH	332	L H
03064	LECT-DISC	E	1	MTUWTH	336	G H
03065	LECT-DISC	F	2	MTUWTH	332	L H
03066	LECT-DISC	G	3	MTUWTH	332	L H
03067	LECT-DISC	H	4	MTUWTH	332	L H

GER 104 INTERMEDIATE COURSE, II.
PREREQUISITE--GER. 103, OR THREE YEARS OF HIGH SCHOOL GERMAN, OR EQUIVALENT.
4 HOURS

03068	LECT-DISC	A	8	MTUWTH	370	L H
03069	LECT-DISC	B1	9	MTUWTH	370	L H
03070	LECT-DISC	B2	9	MTUWTH	336	G H
03071	LECT-DISC	C1	10	MTUWTH	370	L H
03072	LECT-DISC	C2	10	MTUWTH	329	G H
03073	LECT-DISC	D1	11	MTUWTH	370	L H
03074	LECT-DISC	D2	11	MTUWTH	336	G H
03075	LECT-DISC	X	12	MTUWTH	370	L H
03076	LECT-DISC	E1	1	MTUWTH	312	D K H
03077	LECT-DISC	E2	1	MTUWTH	329	G H
03078	LECT-DISC	F1	2	MTUWTH	370	L H
03079	LECT-DISC	F2	2	MTUWTH	329	G H
03080	LECT-DISC	G	3	MTUWTH	370	L H
03081	LECT-DISC	H	4	MTUWTH	370	L H

GER 113 PRACTICE IN CONVERSATION.
PREREQUISITE--GER. 102 OR EQUIVALENT. STUDENTS WHO HAVE COMPLETED GER. 104 MAY ENROLL ONLY WITH DEPARTMENTAL PERMISSION.
2 HOURS

03082	LECT-DISC	L	9	TU TH	388	L H
03083	LECT-DISC	M	10	TU TH	368	L H

COURSES FOR ADVANCED UNDERGRADUATES

GER 210 MASTERPIECES OF GERMAN LITERATURE.
PREREQUISITE--TWO YEARS OF COLLEGE GERMAN OR EQUIVALENT.
3 HOURS

03084	LECT-DISC	C	10	M W F	362	L H		
03085	LECT-DISC	D	11	M W F	345	L H		

GER 211 CONVERSATION AND WRITING, I.
PREREQUISITE--GER. 103 AND 113, OR GER. 104, OR EQUIVALENT.
3 HOURS

03086	LECT-DISC	F1	2	MTUWTH	368	L H		
03087	LECT-DISC	F2	2	MTUWTH	336	G H		
03088	LECT-DISC	G	3	MTUWTH	382	L H		

GER 212 CONVERSATION AND WRITING, II.
PREREQUISITE--GER. 211 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3 HOURS

03089	LECT-DISC	F	2	MTUWTH	261	L H		
03090	LECT-DISC	G	3	MTUWTH	336	G H		

GER 251 THE GERMAN NOVELLE.
PREREQUISITE--GER. 210 OR EQUIVALENT.
3 HOURS

03091	LECT-DISC	3	9	M W F	221	G H		

GER 252 GERMAN DRAMA.
PREREQUISITE--GER. 210 OR EQUIVALENT.
3 HOURS

03092	LECT-DISC	C	10	M W F	332	L H		
03093	LECT-DISC	D	11	M W F	321	G H		

GER 270 TWENTIETH CENTURY GERMAN LITERATURE.
PREREQUISITE--GER. 210 OR CONSENT OF INSTRUCTOR.
3 HOURS

03094	LECT-DISC	E	1	M W F	388	L H		

GER 292 SENIOR THESIS AND HONORS COURSE.
PREREQUISITE--SENIOR STANDING, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS

03095	CONF	E	ARR					

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GER 302 GERMAN LITERATURE SINCE 1700.
PREREQUISITE--GER. 210 AND ONE OTHER LITERATURE COURSE OR EQUIVALENT
3 HOURS, OR 1 UNIT

03096	LECT-DISC	B	9	M W F	368	L H		FREY

GER 304 ADVANCED CONVERSATION.
PREREQUISITE--GER. 303 OR EQUIVALENT. WILL NOT MEET DURING
SIX-WEEK STUDENT TEACHING PERIOD.
1 HOUR

03097	LECT-DISC	L	9	TU TH	329	G H		
03098	LECT-DISC	M	10	TU TH	261	L H		

GER 312 GOETHES FAUST.
PREREQUISITE--GER. 210 AND ONE OTHER LITERATURE COURSE OR
EQUIVALENT.
3 HOURS, OR 1 UNIT

03099	LECT-DISC	E	1	M W F	261	L H		HAILE

GER 360 INTRODUCTION TO GERMAN PHONETICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

03100	LECT-DISC	K	8-10	TU TH	261	L H		NOCK

GER 382 LANGUAGE LABORATORY TECHNIQUES.
SAME AS FR., RUSS., AND SPAN. 382.
PREREQUISITE--THREE YEARS OF MODERN FOREIGN LANGUAGE AT THE COLLEGE LEVEL, OR THE EQUIVALENT.
2 HOURS, OR 1/2 UNIT

03101	LECT-DISC		9	TU TH	232	L	H	NACHTMANN

COURSES FOR GRADUATES

GER 400 BEGINNING GERMAN FOR GRADUATE STUDENTS.
4 HOURS--NC GRADUATE CREDIT.

03102	LECT-DISC	A	8	MTUWTH	321	G	H	
03103	LECT-DISC	B	9	MTUWTH	321	G	H	
03104	LECT-DISC	X1	12	MTUWTH	321	G	H	
03105	LECT-DISC	X2	12	MTUWTH	329	G	H	
03106	LECT-DISC	H	4	MTUWTH	321	G	H	
03107	LECT-DISC	J1	5	MTUWTH	329	G	H	
03108	LECT-DISC	J2	5	MTUWTH	336	G	H	

GER 401 READINGS IN GERMAN FOR GRADUATE STUDENTS.
PREREQUISITE--GER. 400 OR EQUIVALENT.
4 HOURS--NC GRADUATE CREDIT.
*SECTIONS A, H, AND L DO READINGS PARTICULARLY IN THE HUMANITIES AND THE SOCIAL SCIENCES, SECTIONS B, J2, J3, K, AND M IN THE NATURAL SCIENCES. SECTION J1 WILL READ SELECTIONS IN LITERARY CRITICISM.

03114	LECT-DISC	A	8	M W F	111	G	H	
03109	LECT-DISC	B	9	M W F	111	G	H	
03115	LECT-DISC	H	4	M WTH	111	G	H	
03117	LECT-DISC	J1	5	M WTH	111	G	H	
03110	LECT-DISC	J2	5	M WTH	221	G	H	
03111	LECT-DISC	J3	5	M WTH	321	G	H	
03112	LECT-DISC	K	8	TU TH S	111	G	H	
03116	LECT-DISC	L	9	TU TH S	111	G	H	
03113	LECT-DISC	M	10	TU TH S	332	L	H	

GER 416 MIDDLE HIGH GERMAN LITERATURE.
PREREQUISITE--GER. 415 OR EQUIVALENT.
1 UNIT

03118	LECT-DISC	E	1	M W F	370	L	H	NOCK

GER 420 HISTORY OF THE GERMAN LANGUAGE.
1 UNIT

03119	LECT-DISC	C	10	M W F	425A	LIB		PHILIPPSON

GER 452 GERMAN LITERATURE FROM THE TWENTIES TO THE PRESENT.
PREREQUISITE--GER. 301 AND 302 OR EQUIVALENT.
1 UNIT

03120	LECT-DISC		ARR					FREY

GER 460 SEMINAR IN GERMAN LITERATURE.
1 UNIT

03121	LECT-DISC		ARR					

GER 493 RESEARCH IN SPECIAL TOPICS.
1 TO 4 UNITS

03122	CONF		ARR					STAFF

GER 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 1/2 UNITS

03123	CONF		ARR					STAFF

DEPARTMENT OFFICE 360 L H

MAJOR--TWENTY HOURS. IN ADDITION CLASSICAL CIVILIZATION 301-302 IS STRONGLY RECOMMENDED AS AN ELECTIVE.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ENGLISH LITERATURE, FOREIGN LANGUAGE, LATIN BEING ESPECIALLY RECOMMENDED, HISTORY, LIBRARY SCIENCE, AND PHILOSOPHY.

CREDIT FOR NEW TESTAMENT GREEK TRANSFERRED FROM OTHER INSTITUTIONS IS NOT COUNTED TOWARD A MAJOR OR MINOR UNTIL AFTER THE SATISFACTORY COMPLETION OF GREEK 201-202 AND THEN ONLY TO A POSSIBLE MAXIMUM OF EIGHT HOURS AS THE EQUIVALENT OF GREEK 101-102 AND THREE HOURS AS THE EQUIVALENT OF ONE SEMESTER OF GREEK 391.

COURSES FOR UNDERGRADUATES

GRK 102 ELEMENTARY GREEK.
PREREQUISITE--GRK. 101 OR EQUIVALENT.
4 HOURS
03124 LECT-DISC A 8 TUWTHF 362 L H HELLER

COURSES FOR ADVANCED UNDERGRADUATES

GRK 202 SECOND-YEAR GREEK, II.
PREREQUISITE--GRK. 201 OR EQUIVALENT.
4 HOURS
03125 LECT-DISC A 8 TUWTHF 394 L H PHILLIPS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

GRK 391 READINGS IN GREEK LITERATURE.
PREREQUISITE--TWO YEARS OF COLLEGE GREEK, CONSENT OF INSTRUCTOR.
*MAY BE REPEATED FOR MAXIMUM OF 12 HOURS CREDIT.
*3 HOURS, CR 3/4 UNIT
03126 LECT-DISC A 11 M W F 394 L H SMITH

COURSES FOR GRADUATES

UNLESS OTHERWISE NOTED, THE PREREQUISITE TO ALL COURSES IS THREE YEARS OF COLLEGE GREEK.

GRK 411 HELLENISTIC LITERATURE.
1 UNIT
03127 LECT-DISC A 1030-12 TU TH 407 LIB BATEMAN

GRK 491 DIRECTED READING.
PREREQUISITE--SECOND YEAR GRADUATE STUDENT.
1/2 UNIT
03128 CONF ARR 360 L H DONOVAN

GRK 496 BIBLIOGRAPHY AND CRITICISM, II.
SAME AS LAT. 496.
PREREQUISITE--FOUR YEARS OF COLLEGE LATIN OR EQUIVALENT.
1/2 UNIT
03129 LECT-DISC A 1 TU TH 407 LIB OLIVER

GRK 499 THESIS RESEARCH.
SAME AS LAT. 499.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
03130 CONF ARR STAFF

HEALTH EDUCATION

DEPARTMENT OFFICE 114 HUFF GYM

COURSES FOR ADVANCED UNDERGRADUATES

H ED 250 SPECIAL PROBLEMS.
SAME AS P.E.M., P.E.W., AND REC. 250.
PREREQUISITE--JUNIOR OR SENIOR STANDING--MINIMUM GRADE POINT AVERAGE OF 3.5--CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL OF DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS OF CREDIT.
*2 OR 3 HOURS

03131	LAB-DISC		ARR				STAFF

H ED 260 HONORS SEMINAR.
SAME AS P.E.M., P.E.W., AND REC. 260.
PREREQUISITE--JAMES SCHOLARS OR AVERAGE OF 4.0 THE PRECEDING SEMESTER, WITH CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL OF DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 6 HOURS OF CREDIT.
*2 HOURS

03132	LECT-DISC		ARR				STAFF

H ED 281 FIRST AID.
2 HOURS

03133	LECT-DISC	L	8	TU TH	211	HUFF GYM	BOYS
03134	LECT-DISC	N	9	TU TH	129	W GYM	COUCH
03135	LECT-DISC	P	11	TU TH	12P	W GYM	COUCH
03136	LECT-DISC	S	2	TU TH	211	HUFF GYM	BOYS

H ED 282 ORGANIZATION OF SCHOOL HEALTH PROGRAMS.
3 HOURS

03137	LECT-DISC	C	11	M W F	207	HUFF GYM	HOYMAN
03138	LECT-DISC	F	1	M W F	282	BEV HALL	COUCH
03139	LECT-DISC	G	2	M W F	207	HUFF GYM	CRESWELL

H ED 283 MAN AND HIS DISEASES.
PREREQUISITES--HYG. 104, 110, PHYSL. 103.
2 HOURS

03140	LECT-DISC	M	9	TU TH	211	HUFF GYM	BOYS

H ED 287 CONCEPTS OF HEALTH, AGING, AND LONGEVITY.
PREREQUISITE--HYG. 104, 110, PHYSL. 103.
2 HOURS

03141	LECT-DISC	H	2	TU TH	242	BEV HALL	COUCH

H ED 288 PRINCIPLES OF HEALTH EDUCATION.
PREREQUISITE--H. ED. 282.
3 HOURS

03142	LECT-DISC	B	9	M W F	207A	HUFF GYM	CRESWELL

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

H ED 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS ANTH., GEOG., H. ED., PHYSL., PSYCH., V.M.S. 374.
PREREQUISITE--ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S., OR ZOOL. 369.
4 HOURS OR 1 UNIT

03143	LECT-DISC		11	M WTHF	242	BEV HALL	ALEXANDER, HOYMAN AND OTHERS

H ED 391 PUBLIC HEALTH STATISTICS.
PREREQUISITE--MATH. 161, OR EDPSY. 390, OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT

03144	LECT-DISC	R	10-12	S	207A	HUFF GYM	BRIDGER

COURSES FOR GRADUATES

H ED 401 PROBLEMS IN SCHOOL HEALTH EDUCATION.
1 UNIT
03145 LECT-DISC 4-6 TU 207A HUFF GYM HOYMAN

H ED 490 SEMINAR.
NO CREDIT
03146 LECT-DISC ARR BOYS

H ED 493 SPECIAL PROJECTS.
PREREQUISITE--ED. PSY. 390, P.E. 495, AND H. ED. 400 OR EQUIVALENTS, DOCTORAL CANDIDATE.
1/2 OR 1 UNIT
03147 LECT-DISC ARR STAFF

H ED 499 THESIS RESEARCH.
1/2 TO 2 UNITS
03148 CONF ARR STAFF

HINDI

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

COURSES FOR ADVANCED UNDERGRADUATES

HINDI 202 ELEMENTARY HINDI, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
PREREQUISITE--HINDI 201.
3 HOURS
03149 LECT-DISC 4 M W F 154 ADMIN KACHRU

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HINDI 304 INTERMEDIATE HINDI, II.
PREREQUISITE--HINDI 303 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT
03150 LECT-DISC ARR KACHRU

HISTORY

DEPARTMENT OFFICE 359 ARMORY

MAJOR--TWENTY HOURS IN HISTORY, INCLUDING AT LEAST TEN HOURS IN COURSES HAVING JUNIOR STANDING AS A PREREQUISITE, AND NOT INCLUDING MORE THAN FOUR HOURS IN COURSES OPEN TO FRESHMEN. THE COURSES OFFERED MUST INCLUDE AT LEAST SIX HOURS IN AMERICAN HISTORY, SIX HOURS IN MODERN EUROPEAN HISTORY SINCE 1500, AND SIX HOURS IN OTHER FIELDS OF HISTORY.

MINORS--TWENTY HOURS, NOT INCLUDING MORE THAN FOUR HOURS OPEN TO FRESHMEN, IN ONE OR TWO OF THE FOLLOWING--ANCIENT OR MODERN LANGUAGE EXCLUDING ELEMENTARY COURSES 101 AND 102, ANTHROPOLOGY, ECONOMICS, ENGLISH AND AMERICAN LITERATURE, GEOGRAPHY, LAW, LIBRARY SCIENCE, PHILOSOPHY, POLITICAL SCIENCE, AND SOCIOLOGY.
ONE OF THE CURRICULA IN LATIN AMERICAN STUDIES, RUSSIAN LANGUAGE AND AREA STUDIES, OR MEDIEVAL CIVILIZATION IS ALSO ACCEPTED AS A SOLE MINOR, EXCLUDING THE COURSES IN HISTORY.

NOTE--D G S 121 AND 122, HISTORY OF CIVILIZATION, ARE ACCEPTED AS SATISFYING THE PREREQUISITE OF A YEAR OF COLLEGE HISTORY IN ALL CASES IN WHICH IT IS REQUIRED.

HIST 112 HISTORY OF WESTERN CIVILIZATION, 1815 TO THE PRESENT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*STUDENTS IN LECT. 1 MUST ELECT A DISCUSSION IN THE A1-K GROUP, THOSE IN LECT. 2, A DISCUSSION IN THE L-X3 GROUP.
*DISCUSSION &S IS RESERVED FOR JAMES SCHOLARS AND OTHER STUDENTS OF VERY HIGH STANDING.

03151	LECT	1	10	TU TH	112	G H	FRIEDLANDER
03152	DISC	A1	9	W F	333	ARMORY	
03153	DISC	A2	8	W F	430	ARMORY	
03154	DISC	B1	8	W F	433	ARMORY	
03155	DISC	B2	9	W F	333	ARMORY	NICHOLS
03156	DISC	C1	9	W F	430	ARMORY	CRUMMEY
03157	DISC	C2	10	W F	430	ARMORY	
03158	DISC	D	10	W F	133	ARMORY	
03178	DISC	*&S	11	W F	430	ARMORY	FRIEDLANDER
03159	DISC	E	11	TU TH	329	ARMORY	CRUMMEY
03160	DISC	F	11	TU TH	433	ARMORY	
03161	DISC	G	12	TU TH	433	ARMORY	
03162	DISC	H	1	TU TH	428	ARMORY	
03163	DISC	J	1	W F	430	ARMORY	
03164	DISC	K	2	W F	430	ARMORY	
03165	LECT	2	2	M W	L H THEATRE		KUISEL
03166	DISC	L	8	TU TH	428	ARMORY	SCHROEDER
03167	DISC	M	9	TU TH	430	ARMORY	KUISEL
03168	DISC	N	9	TU TH	333	ARMORY	
03169	DISC	O	10	TU TH	430	ARMORY	
03170	DISC	P	10	TU TH	433	ARMORY	
03171	DISC	R	11	TU TH	428	ARMORY	KARGON
03172	DISC	T	10	W F	433	ARMORY	
03173	DISC	U	11	W F	433	ARMORY	
03174	DISC	W	12	W F	433	ARMORY	
03175	DISC	X1	1	TU TH	323	ARMORY	
03176	DISC	X2	2	TU TH	433	ARMORY	KARGON
03177	DISC	X3	3	TU TH	333	ARMORY	

HIST 132 HISTORY OF ENGLAND, 1688 TO THE PRESENT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*DISC. &S--RESERVED FOR JAMES SCHOLARS AND OTHER STUDENTS OF VERY HIGH STANDING.

03179	LECT		11	M W	L H THEATRE		GAZLEY
03180	DISC	A	8	TU TH	328	ARMORY	BELTING
03181	DISC	B	9	TU TH	328	ARMORY	BELTING
03182	DISC	C	9	TU TH	133	ARMORY	
03183	DISC	D	10	TU TH	133	ARMORY	
03184	DISC	E	10	TU TH	328	ARMORY	
03191	DISC	*&S	11	TU TH	333	ARMORY	
03185	DISC	F	11	TU TH	328	ARMORY	
03186	DISC	G	12	TU TH	133	ARMORY	
03187	DISC	H	12	M W	133	ARMORY	
03188	DISC	J	1	M W	328	ARMORY	
03189	DISC	K	2	TU TH	328	ARMORY	
03190	DISC	L	3	TU TH	328	ARMORY	

HIST 152 HISTORY OF THE UNITED STATES FROM 1865 TO THE PRESENT.
PREREQUISITE--SOPHOMORE STANDING.
*CREDIT IS NOT GIVEN FOR BOTH HIST. 152 AND 262.
*4 HOURS
*STUDENTS IN LECT. 1 MUST ELECT A DISCUSSION IN THE A-P GROUP, THOSE IN LECT. 2, A DISCUSSION IN THE R-X 4, GROUP.

03192	LECT	1	8	M W	112	G H	GRABNER
03193	DISC	A	8	TU TH	333	ARMORY	
03194	DISC	B	8	TU TH	430	ARMORY	
03195	DISC	C	8	TU TH	433	ARMORY	
03196	DISC	D	9	TU TH	329	ARMORY	
03197	DISC	E	9	TU TH	433	ARMORY	
03198	DISC	F	10	TU TH	329	ARMORY	
03199	DISC	G	10	TU TH	333	ARMORY	
03200	DISC	H	11	W F	133	ARMORY	
03201	DISC	J	11	TU TH	133	ARMORY	
03202	DISC	K	12	W F	329	ARMORY	
03203	DISC	L	1	W F	433	ARMORY	
03204	DISC	M	1	TU TH	433	ARMORY	
03205	DISC	N	2	TU TH	133	ARMORY	

HIST 152 CONTINUED

03206	DISC	O	2	W F	428	ARMORY		
03207	DISC	P	3	TU TH	329	ARMORY		
03208	LECT	2	2	M W	112	G H		MCCOLLEY
03209	DISC	R	8	TU TH	133	ARMORY		
03210	DISC	S	9	W F	133	ARMORY		
03211	DISC	T	12	TU TH	329	ARMORY		
03212	DISC	U	10	W F	329	ARMORY		
03213	DISC	W	1	TU TH	333	ARMORY		
03214	DISC	X1	1	TU TH	430	ARMORY		
03215	DISC	X2	2	TU TH	333	ARMORY		
03216	DISC	X3	2	TU TH	430	ARMORY		
03217	DISC	X4	3	W F	333	ARMORY		

HIST 182 THE ANCIENT WORLD--ROME.
PREREQUISITE--SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR.
3 HOURS

03218	LECT		2	M W	106	L H		STARR
03219	DISC	A	2	F	329	ARMORY		
03220	DISC	B	3	TH	430	ARMORY		
03221	DISC	C	2	F	433	ARMORY		

COURSES FOR ADVANCED UNDERGRADUATES

NOTE--JUNIOR STANDING IS REQUIRED EXCEPT WHERE NOTED.

HIST 210 THE NEAR EAST FROM NAPOLEON TO THE PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY.
2 HOURS

03222	LECT		8	TU TH	329	ARMORY		DAWN

HIST 212 THE CONTEMPORARY WORLD--ECONOMIC, SOCIAL, AND CULTURAL ASPECTS.
3 HOURS

03223	LECT		9	M W F	213	G H		FRIEDLANDER

HIST 214 HISTORY OF EAST ASIA SINCE 1800.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS

03224	LECT		10	M W F	333	ARMORY		WILSON

HIST 220 MODERN RUSSIA AND ITS PROBLEMS FROM 1855 TO THE PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, OR CONSENT OF INSTRUCTOR.
3 HOURS

03225	LECT		11	M W F	124	BUR HALL		CRUMMEY

HIST 250 HISTORY OF AMERICAN IMMIGRATION.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY.
2 HOURS

03226	LECT		11	TU TH	430	ARMORY		BELTING

HIST 260 COLONIAL BEGINNINGS AND THE AMERICAN REVOLUTIONARY ERA TO 1789.
3 HOURS

03227	LECT		10	M W F	229	N H B		MCCOLLEY

HIST 262 THE UNITED STATES--WORLD POWER IN AN INDUSTRIAL AGE SINCE 1877.
*CREDIT IS NOT GIVEN FOR BOTH HIST. 152 AND 262.
*3 HOURS
*LECT. A IS AN ACCELERATED SECTION FOR TEACHER TRAINEES. IT IS OPEN ONLY TO STUDENTS TAKING ED. 241 AND 242, AND WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

03228	LECT		11	M W F	223	G H		BATES
03229	LECT	*A	1	MTUWTHF	133	ARMORY		WALLER

HIST 290 TEACHING OF HISTORY.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, SENIOR STANDING.
2 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

03230	LECT		2	M W F	133	ARMORY		WALLER

HIST 292 HISTORY OF NAVAL WARFARE.
3 HOURS

03231	LECT		2	M W F	213	G H		NOWELL

HIST 293 THESIS.
PREREQUISITE--HISTORY MAJOR WITH SENIOR STANDING AND A 4.0 GRADE-POINT AVERAGE, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 6 HOURS.
*3 HOURS
03232 CONF & ARR MCCOLLEY AND OTHERS

HIST 295 READING COURSE.
PREREQUISITE--JUNIOR OR SENIOR OF HIGH STANDING.
2 TO 4 HOURS
03233 CONF & ARR MCCOLLEY AND OTHERS

HIST 297 HISTORY AND HISTORIANS.
PREREQUISITE--SENIOR STANDING AND CONSENT OF INSTRUCTOR.
2 HOURS
03234 DISC 1 TU TH 394 L H SIRICH

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ONE YEAR OF COLLEGE HISTORY IS REQUIRED EXCEPT WHERE NOTED.

HIST 302 THE MIDDLE AGES, 1100 TO 1500 A.D.
3 HOURS, OR 1/2 OR 1 UNIT
03235 LECT 9 M W F 428 ARMORY GEANAKOPLOS

HIST 304 MEDIEVAL CIVILIZATION.
PREREQUISITE--ONE YEAR OR COLLEGE HISTORY OR POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT
03236 LECT 11 M W F 428 ARMORY GEANAKOPLOS

HIST 306 THE AGE OF THE PROTESTANT AND CATHOLIC REFORMATION, 1500 TO 1648.
3 HOURS, OR 1/2 OR 1 UNIT
03237 LECT 9 M W F 328 ARMORY LEE

HIST 308 THE EUROPEANIZATION OF THE NEAR EAST, 1768 TO 1914.
3 HOURS, OR 1/2 OR 1 UNIT
03238 LECT 8 M W F 329 ARMORY DAWN

HIST 309 DEVELOPMENT OF MODERN EUROPE--ABSOLUTISM AND COLONIAL EXPANSION 1648 TO 1789.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
03239 LECT 9 TU TH 428 ARMORY BRUUN
03239 DISC 2 TH 428 ARMORY BRUUN

HIST 310 THE DEVELOPMENT OF MODERN EUROPE--THE FRENCH REVOLUTION AND NAPOLEON, 1789 TO 1815.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
03240 LECT 2 M W F 328 ARMORY SIRICH

HIST 312 EUROPEAN HISTORY FROM 1871 TO 1918.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, POLITICAL SCIENCE, OR ECONOMICS.
3 HOURS, OR 1/2 OR 1 UNIT
03241 LECT 11 M W F 106 L H NICHOLS

HIST 314 EUROPEAN HISTORY FROM 1939 TO THE PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE, OR ECONOMICS.
3 HOURS, OR 1/2 OR 1 UNIT
03242 LECT 9 M W F 106 L H KUISEL

HIST 319 MODERN EUROPEAN INTERNATIONAL RELATIONS, 1890 TO THE PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
03243 LECT 8 M W F 428 ARMORY SCHROEDER

HIST 324 INTELLECTUAL HISTORY OF MODERN EUROPE, 1776 TO THE PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
03244 LECT 11 M W F 329 ARMORY SIRICH

HIST 328 HISTORY OF SOVIET RUSSIA FROM 1917 TO THE PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
03245 LECT 10 M W F 106 L H DMYTRYSHYN

HIST 337 ECONOMIC HISTORY OF AMERICAN AGRICULTURE.
SAME AS AG. EC. AND ECON. 337.
PREREQUISITE--A COLLEGE LEVEL COURSE IN BASIC ECONOMICS OR AMERICAN HISTORY. GRADUATE STUDENTS TAKING THIS COURSE FOR 1 UNIT CREDIT WRITE A PAPER ON APPROVED TOPIC IN AGRICULTURAL HISTORY.
3 HOURS, OR 1/2 OR 1 UNIT
03246 LECT 8 M W F 130 COM W

HIST 346 CONSTITUTIONAL HISTORY OF ENGLAND, 1485 TO THE PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT
03247 LECT 1 M W F 333 ARMORY HILL

HIST 348 THE HISTORY OF MODERN SCIENCE SINCE THE AGE OF NEWTON.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR PHILOSOPHY OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 OR 1 UNIT
03248 LECT 2 M W F 333 ARMORY KARSON

HIST 354 THE ERA OF THE AMERICAN REVOLUTION, 1763 TO 1789.
3 HOURS, OR 1/2 OR 1 UNIT
03249 LECT 10 M W F 328 ARMORY STEARNS

HIST 358 SOCIAL AND ECONOMIC HISTORY OF THE UNITED STATES SINCE 1860.
3 HOURS, OR 1/2 OR 1 UNIT
03250 LECT 11 M W F 333 ARMORY SPENCE

HIST 359 THE CIVIL WAR AND RECONSTRUCTION.
3 HOURS, OR 1/2 OR 1 UNIT
03251 LECT 10 M W F 124 BUR HALL JOHANNSEN

HIST 362 HISTORY OF THE UNITED STATES SINCE 1917.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY, POLITICAL SCIENCE, OR ECONOMICS.
3 HOURS, OR 1/2 OR 1 UNIT
03252 LECT 8 M W F 328 ARMORY BATES

HIST 367 THE TRANS-MISSISSIPPI WEST.
3 HOURS, OR 1/2 OR 1 UNIT
03253 LECT 9 M W F 433 ARMORY SPENCE

HIST 370 CONSTITUTIONAL DEVELOPMENT OF THE UNITED STATES SINCE 1865.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT
03254 LECT 11 M W F 328 ARMORY HYMAN

HIST 374 DIPLOMATIC HISTORY OF THE UNITED STATES IN THE TWENTIETH CENTURY.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT
03255 LECT 10 M W F 112 G H GRAEBNER

HIST 376 HISTORY OF LATIN AMERICA SINCE 1824.
3 HOURS, OR 1/2 OR 1 UNIT
03256 LECT 1 M W F 106 L H NOWELL

HIST 383 HISTORY OF THE ROMAN REPUBLIC TO 44 B C.
3 HOURS, OR 1/2 OR 1 UNIT
03257 LECT 10 M W F 428 ARMORY STARR

HIST 392 A HISTORY OF CHINA, 907-1840.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
03258 LECT 1 M W F 428 ARMORY

HIST 393 CHINESE INTELLECTUAL HISTORY FROM EARLIEST TIMES TO PRESENT.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
03259 LECT 3 M W F 329 ARMORY

HIST 396 A HISTORY OF JAPAN SINCE 1867.
PREREQUISITE--ONE YEAR OF COLLEGE HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 OR 1 UNIT
03260 LECT 3 M W F 428 ARMORY WILSON

COURSES FOR GRADUATES

HIST 401 SEMINAR IN MEDIEVAL HISTORY.
1 UNIT
03261 DISC 3-5 TU 424A LIB GEANAKOPLOS

HIST 410 MODERN EUROPE SINCE 1815.
1 UNIT
03262 DISC 1-3 W 303 ARMORY NICHOLS

HIST 415 SEMINAR IN THE HISTORY OF EUROPE SINCE 1815.
1 UNIT
03263 DISC 4-6 TU 303 ARMORY SCHROEDER

HIST 419 SEMINAR IN MODERN RUSSIAN HISTORY.
1 UNIT
03264 DISC 3-5 F 303 ARMORY DMYTRYSHYN

HIST 431 SEMINAR IN ENGLISH HISTORY.
1 UNIT
03265 DISC 1-3 F 303 ARMORY GAZLEY

HIST 432 SEMINAR IN ENGLISH HISTORY.
1 UNIT
03266 DISC 3-5 TH 303 ARMORY LEE

HIST 454 SEMINAR IN THE SOCIAL HISTORY OF THE UNITED STATES SINCE 1860.
1 UNIT
03267 DISC 1-3 M 303 ARMORY SPENCE

HIST 458 SEMINAR IN AMERICAN HISTORY--THE REVOLUTIONARY PERIOD.
1 UNIT
03268 DISC 2-4 TU 303 ARMORY STEARNS

HIST 461 SEMINAR IN RECENT AMERICAN HISTORY.
1 UNIT
03269 DISC 1-3 TH 303 ARMORY BATES

HIST 471 SEMINAR IN THE CONSTITUTIONAL HISTORY OF THE UNITED STATES.
1 UNIT
03270 DISC 730-930PM M 303 ARMORY HYMAN

HIST 473 GRADUATE SURVEY OF AMERICAN HISTORY TO 1865.
1 UNIT
03271 DISC 3-5 M 303 ARMORY JOHANNSEN

HIST 496 HISTORY OF HISTORIOGRAPHY.
1 UNIT
03272 LECT 1-3 TU 329 ARMORY STARR

HIST 497 READING COURSE.
PREREQUISITE--MASTERS DEGREE OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

03273	CONF		ARR					STAFF

HIST 498 PROBLEMS I. THE TEACHING OF COLLEGE HISTORY.
PREREQUISITE--PH. D. CANDIDATE IN HISTORY.
NO CREDIT

03274	LECT	A	4	M	333	ARMORY	GRAEBNER
03275	LECT	B	3	W	328	ARMORY	STEARNS

HIST 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

03276	CONF		ARR					STAFF

HISTORY AND PHILOSOPHY OF EDUCATION

DEPARTMENT OFFICE 368 EDUC

COURSES FOR ADVANCED UNDERGRADUATES

HP ED 221 FOUNDATIONS OF AMERICAN EDUCATION.
PREREQUISITE--EL. ED. 101 OR SE. ED. 101 OR VO. TEC. 101, PSYCH. 100
2 HOURS
*HONORS SECTION. RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED THE CONSENT OF THE INSTRUCTOR.

03277	LECT	1	9	TU	103	M H	BRODY
03278	LECT	2	9	TU	100	G H	BRODY
03279	LECT	3	11	TU	103	M H	BRODY
03300	DISC	*&1	9	TH	431	ARMORY	
03280	DISC	2	9	TU	431	ARMORY	
03281	DISC	3	10	W	28	EDUC	
03282	DISC	4	10	TH	2	EDUC	
03283	DISC	5	1[illegible]	F	385	EDUC	
03284	DISC	6	9	TH	2	EDUC	
03285	DISC	7	11	TU	28	EDUC	
03286	DISC	8	11	TH	2	EDUC	
03287	DISC	9	11	TH	28	EDUC	
03288	DISC	10	12	TU	1	EDUC	
03289	DISC	11	12	TH	1	EDUC	
03290	DISC	12	12	TH	166	EDUC	
03291	DISC	13	1	TU	28	EDUC	
03292	DISC	14	1	TH	28	EDUC	
03293	DISC	15	1	TH	147	ARMORY	
03294	DISC	16	2	TU	28	EDUC	
03295	DISC	17	12	TU	162	EDUC	
03296	DISC	18	3	TU	162	EDUC	
03297	DISC	19	2	TH	166	EDUC	
03298	DISC	20	2	TH	28	EDUC	
03299	DISC	21	3	TU	166	EDUC	

HP ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

03301	CONF	&A	ARR	STAFF

HP ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

03302	CONF	&A	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HP ED 300 THE HISTORY OF EDUCATION.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
*ADDITIONAL HOUR TO BE ARRANGED.

03303	LECT-DISC		*4-6	TH	160	EDUC	ANDERSON

HP ED 301 PHILOSOPHY OF EDUCATION.
2 HOURS, OR 1/2 UNIT

03304	LECT-DISC		4-6	W	2	EDUC	STANLEY

HP ED 302 HISTORY OF AMERICAN EDUCATION.
2 HOURS, OR 1/2 UNIT

03305	LECT-DISC		4-6	TU	2	EDUC	

HP ED 303 COMPARATIVE EDUCATION.
2 HOURS, OR 1/2 UNIT

03306	LECT-DISC		430-630	M	166	EDUC	KAULFERS

HP ED 304 SOCIAL FOUNDATIONS OF EDUCATION.
2 HOURS, OR 1/2 UNIT

03307	LECT-DISC	A	4-6	M	2	EDUC	J R BURNETT
03308	LECT-DISC	B	7-9PM	W	166	EDUC	PALMER
03309	LECT-DISC	C	4-6	TH	166	EDUC	PALMER
03310	LECT-DISC	S	9-11	S	2	EDUC	STANLEY

HP ED 305 HISTORY OF EDUCATIONAL IDEAS.
2 HOURS, OR 1/2 UNIT

03311	LECT-DISC	A	7-9PM	M	176	EDUC	
03312	LECT-DISC	B	4-6	TU	166	EDUC	MCMURRAY
03313	LECT-DISC	C	4-6	TH	1	EDUC	KAULFERS
03314	LECT-DISC	S	11-1	S	192	EDUC	PALMER

COURSES FOR GRADUATES

HP ED 403 THE HISTORICAL FOUNDATIONS OF AMERICAN EDUCATIONAL THOUGHT.
PREREQUISITE--HP. ED. 300 OR 302, OR CONSENT OF INSTRUCTOR.
1 UNIT

03315	LECT-DISC		7-9PM	W	389	EDUC	ANDERSON

HP ED 404 SEMINAR IN EDUCATIONAL CLASSICS.
PREREQUISITE--ONE GRADUATE COURSE IN PHILOSOPHY OF EDUCATION AND ONE IN HISTORY OF EDUCATION, OR CONSENT OF INSTRUCTOR.
1 UNIT

03316	LECT-DISC		7-9PM	M	10	EDUC	GROUDY

HP ED 407 LOGICAL FOUNDATIONS OF METHODS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03317	LECT-DISC		7-9PM	TH	389	EDUC	MCMURRAY

HP ED 409 ADVANCED PHILOSOPHY OF EDUCATION, II.
PREREQUISITE--HP. ED. 301 OR 305 OR ADVANCED GRADUATE STANDING, CONSENT OF INSTRUCTOR.
1 UNIT

03318	LECT-DISC		7-9PM	TU	389	EDUC	J R BURNETT, STANLEY

HP ED 410 SEMINAR IN THEORIES OF EDUCATIONAL AND SOCIAL CHANGE.
ONLY OPEN TO CANDIDATES FOR THE ED. D. OR PH. D. IN EDUCATION.
1 UNIT

03319	LECT-DISC	A	1-3	TU	389	EDUC	SMITH, PALMER
03320	LECT-DISC	B	1-3	W	160	EDUC	J R BURNETT, STANLEY

HP ED 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS.
*1/2 OR 1 UNIT

03321	CONF		ARR				GRADUATE STAFF

HP ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

03322	CONF	ARR		GRADUATE STAFF

HP ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

03323	CONF	ARR		GRADUATE STAFF

HOME ECONOMICS

DEPARTMENT OFFICE 260 BEV HALL

NOTE--HOME ECONOMICS COURSES DESIGNED PARTICULARLY FOR NON-MAJOR STUDENTS AND NOT FULFILLING THE REQUIREMENTS FOR A MAJOR IN HOME ECONOMICS ARE HOME ECON. 120, 125, 193, 196, AND 271.

OTHER HOME ECONOMICS COURSES ARE ALSO OPEN TO NON-MAJORS WHO HAVE THE PREREQUISITES LISTED FOR THE COURSE AND THE CONSENT OF THE INSTRUCTOR. STUDENTS ARE REFERRED PARTICULARLY TO H.EC. 105, 132, 133, 160, 171, 182, 183, 184, 202, 210, 260, 263, 270, 285, 286, AND 305.

COURSES FOR UNDERGRADUATES

H EC 105 CHILD AND FAMILY.
4 HOURS

03324	LECT	A	8	M W F	242	BEV HALL	O NEILL
03325	LAB	A1	9-11	TU	12	C D	O NEILL
03326	LAB	A2	9-11	W	12	C D	O NEILL
03327	LECT	B	8	M W F	12	C D	MILLS
03328	LAB	B1	9-11	TH	12	C D	MILLS
03329	LAB	B2	9-11	F	12	C D	MILLS

H EC 120 ELEMENTARY NUTRITION.
FOR NON-HOME ECONOMICS MAJORS. PREREQUISITE--SOPHOMORE STANDING.
2 HOURS

03330	LECT-DISC		1	TU TH	242	BEV HALL	LAFONT

H EC 125 FOOD SELECTION AND PREPARATION.
FOR NON-HOME ECONOMICS MAJORS. PREREQUISITE--SOPHOMORE STANDING.
3 HOURS

03331	LECT		#12	F	242	BEV HALL	LAMKIN
03332	LAB	A	10-12	M W	338	BEV HALL	LAMKIN
03333	LAB	B	3-5	M W	338	BEV HALL	LAMKIN
03334	LAB	C	1-3	TU TH	338	BEV HALL	

H EC 132 FOODS AND NUTRITION.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 101 OR 102, OR 111.
3 HOURS

03335	LAB-DISC	A	8-10	M W	358	BEV HALL	NYHOLM
		E	8-10	F	328	BEV HALL	NYHOLM
03336	LAB-DISC	B	8-10	M W	376	BEV HALL	SCHAFFNER
		B	8-10	F	376	BEV HALL	SCHAFFNER
03337	LAB-DISC	C	10-12	M W	376	BEV HALL	
		C	10-12	F	328	BEV HALL	
03338	LAB-DISC	D	1-3	M	376	BEV HALL	LAFONT
		D	1-3	W	328	BEV HALL	LAFONT
		D	1-3	F	358	BEV HALL	LAFONT

H EC 133 FOOD MANAGEMENT.
PREREQUISITE--H. EC. 132.
2 HOURS
*CLASS IS HELD DURING NOON HOURS ONLY WHEN MEALS ARE SERVED.

03339	LAB-DISC	A	1-3	M	352	BEV HALL	NYHOLM
		A	*12-3	W	352	BEV HALL	NYHOLM
03340	LAB-DISC	B	1-3	TU	376	BEV HALL	SCHAFFNER
		B	*12-3	TH	376	BEV HALL	SCHAFFNER
03341	LAB-DISC	C	10-12	TU	352	BEV HALL	NYHOLM
		C	*10-1	TH	352	BEV HALL	NYHOLM
03342	LAB-DISC	D	1-3	W	376	BEV HALL	SCHAFFNER
		D	*12-3	F	376	BEV HALL	SCHAFFNER

H EC 160 THE HOME AND ITS FURNISHINGS.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN H. EC. 253.
*4 HOURS

03343	LECT		9	TU TH	135	A S L	BAUMER
03344	LAB	A	8-10	M W	234	BEV HALL	
03345	LAB	B	3-5	M W	234	BEV HALL	
03346	LAB	C	10-12	TU TH	234	BEV HALL	
03347	LAB	D	1-3	TU TH	234	BEV HALL	
03348	LAB	E	3-5	TU TH	234	BEV HALL	

H EC 171 HOME MANAGEMENT.
2 HOURS
*SECTION A RESERVED FOR SOPHOMORES AND JUNIORS.

03349	LECT		9	F	153	A S L	GOODYEAR
03351	DISC	*A	8-10	M	282	BEV HALL	GOODYEAR
03350	DISC	B	3-5	TU	282	BEV HALL	

H EC 182 CLOTHING LABORATORY.
2 HOURS
*SECTIONS D AND E ARE RESERVED FOR STUDENTS WITH FORMAL TRAINING IN CLOTHING CONSTRUCTION IN EITHER HIGH SCHOOL OR 4-H WORK.

03352	LAB	A	10-12	M W	122	BEV HALL	ZWOLANEK
03353	LAB	B	1-3	M W	122	BEV HALL	
03354	LAB	C	10-12	TU TH	122	BEV HALL	
03355	LAB	*D	1-3	TU TH	122	BEV HALL	
03356	LAB	*E	3-5	TU TH	122	BEV HALL	ZWOLANEK

H EC 183 CONSUMER TEXTILES.
2 HOURS

03357	LAB	A	10-12	M W	208	BEV HALL	TREBILCOCK
03358	LAB	B	3-5	M W	208	BEV HALL	
03359	LAB	C	10-12	TU TH	208	BEV HALL	TREBILCOCK
03360	LAB	D	1-3	TU TH	208	BEV HALL	TREBILCOCK

H EC 184 CLOTHING SELECTION.
PREREQUISITE--CREDIT OR REGISTRATION IN ART 185.
2 HOURS

03361	LAB-DISC	A	8-10	M W	132	BEV HALL	
03362	LAB-DISC	B	1-3	M W	132	BEV HALL	STREET
03363	LAB-DISC	C	10-12	TU TH	132	BEV HALL	

H EC 190 HONORS SEMINAR--INTERNATIONAL PROBLEMS AS RELATED TO AGRICULTURE.
SAME AS AGR. 190.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, OR RELATED SCIENCES.
2 HOURS

03364	LECT-DISC	&A	1-3	TU	405	M H	HEADLEY

H EC 192 HONORS SEMINAR--SCIENCE, FOOD, AND WORLD POPULATION.
SAME AS AGR. 192.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, OR RELATED SCIENCES.
2 HOURS

03365	LECT-DISC	&A	1-3	TH	405	M H	

H EC 193 DECORATIVE PROCESSES.
FOR STUDENTS IN THE OCCUPATIONAL THERAPY CURRICULUM ONLY.
3 HOURS

03366	LAB		2-5	TU TH	132	BEV HALL	STREET

H EC 196 WEAVING.
3 HOURS

03367	LAB		9-11	TU TH	174	BEV HALL	STREET

COURSES FOR ADVANCED UNDERGRADUATES

H EC 202 LABORATORY IN CHILD DEVELOPMENT.
PREREQUISITE--H. EC. 105, PSYCH. 100 OR 103.
2 HOURS

03368	LECT		3	M W	12	C D	MARTIN
03369	LAB	A	9	TU TH	219	C D	NURSERY SCHOO
03370	LAB	B	11	TU TH	219	C D	STAFF
03371	LAB	C	9	W F	219	C D	
03372	LAB	D	11	W F	219	C D	

H EC 210 FAMILY RELATIONSHIPS.
3 HOURS

03373	LECT	A	11	M W F	12	C D	CLARK
03374	LECT	B	1	M W F	12	C D	CLARK

H EC 220 DIETETICS.
PREREQUISITE--CHEM. 132 OR 133, H. EC. 133, PHYSL. 103.
3 HOURS

03375	LECT		1	M W	282	BEV HALL	BROWN
03375	LAB		1-3	F	282	BEV HALL	BROWN

H EC 231 FOODS.
PREREQUISITE--CHEM. 132, 133, OR 234, H. EC. 133.
3 HOURS

03376	LECT		10	F	242	BEV HALL	JANSSEN
03377	LAB	A	9-12	M W	362	BEV HALL	LAFONT
03378	LAB	B	9-12	TU TH	362	BEV HALL	JANSSEN

H EC 240 QUANTITY FOOD PRODUCTION AND SERVICE.
PREREQUISITE--FOOD HANDLERS CERTIFICATE, ECON. 108, H. EC. 231,
CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH H. EC. 240 AND 351.
*3 OR 5 HOURS
*DAYS FOR THE LAB SECTION TO BE ARRANGED.

03379	LECT		4	W	291	BEV HALL	HUNZICKER
03380	LAB	A	8-1230	M W F	292	BEV HALL	HOUSE AND
03381	LAB	B	8-1230	TU TH	292	BEV HALL	HUNZICKER
03382	LAB	C	*8-1230		292	BEV HALL	

H EC 260 PERIOD STYLES IN HOME FURNISHINGS.
PREREQUISITE--ART 185 OR EQUIVALENT.
3 HOURS

03383	LECT		10	M W	242	BEV HALL	BANNER
03383	LAB		10-12	F	222	BEV HALL	BANNER

H EC 263 TEXTILE DESIGN--PRINTING.
PREREQUISITE--ART 186 OR EQUIVALENT.
FIELD TRIP, ESTIMATED EXPENSE $10.
3 HOURS

03384	LAB-DISC		3-5	M W	222	BEV HALL	BANNER

H EC 270 FAMILY FINANCIAL MANAGEMENT.
PREREQUISITE--ECON. 102 AND 103 OR 108, H. EC. 171.
3 HOURS

03385	LECT		9	M W F	242	BEV HALL	GUTHRIE

H EC 271 HOME MANAGEMENT.
FOR NON-HOME ECONOMICS MAJORS.
2 HOURS

03386	LECT-DISC		11	TU TH	282	BEV HALL	GUTHRIE

H EC 273 HOME MANAGEMENT.
PREREQUISITE--ECON. 102 AND 103, OR 108, H. EC. 105, 133, 160, 171, 183, 184, CONSENT OF INSTRUCTOR.
3 HOURS
*ADDITIONAL HOURS TO BE ARRANGED.
STUDENTS RESIDE IN HOME MANAGEMENT HOUSE FOR FOUR WEEKS.

03387	LECT-DISC		10	M W	202	BEV HALL	GUTHRIE
03387	LAB		*1-3	TU TH	12X2	W SCREEN	JESSEE

H EC 280 HOUSEHOLD TEXTILES.
PREREQUISITE--H. EC. 183.
2 HOURS

03388	LAB-DISC		3-5	TU TH	208	BEV HALL	CROUTHAMEL

H EC 284 COSTUME DESIGN.
PREREQUISITE--ART 186 OR 120, H.EC. 184.
2 HOURS

03389	LAB-DISC		8-10	TU TH	132	BEV HALL	ANSPACH

H EC 286 CLOTHING DESIGN--FLAT PATTERN.
PREREQUISITE--ART 186 OR 120, H. EC. 182, 183 AND 184.
3 HOURS

03390	LAB	A	9-12	TU TH	106	BEV HALL	ZWOLANEK
03391	LAB	B	2-5	TU TH	106	BEV HALL	ANSPACH

H EC 292 THESIS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
3 TO 5 HOURS

03392	CONF		ARR				STAFF

H EC 295 HONORS SEMINAR--FOOD AND AGRICULTURE IN ECONOMIC DEVELOPMENT.
SAME AS AGR. 295.
PREREQUISITE--SELECTION AS JAMES SCHOLAR OR FOR HONORS PROGRAM IN AGRICULTURE, HOME ECONOMICS, OR RELATED SCIENCES.
2 HOURS

03393	LECT-DISC	&A	3-5	TU	316S	M H	THOMPSON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

H EC 301 ADVANCED PROBLEMS IN HOME GUIDANCE OF CHILDREN.
PREREQUISITE--H. EC. 202 AND 203, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
EACH STUDENT ARRANGES FOR ONE LABORATORY PERIOD ON T W T OR F.

03394	LECT-DISC		1	TU TH	12	C D	ONEILL
03395	LAB	A	9-12	TU	109	C D	NURSERY SCHOOL
03396	LAB	B	9-12	W	109	C D	
03397	LAB	C	9-12	TH	109	C D	
03398	LAB	D	9-12	F	109	C D	

H EC 320 DIET IN DISEASE.
PREREQUISITE--H. EC. 220.
3 HOURS, OR 1/2 UNIT

03399	LECT		8-10	TU	282	BEV HALL	BROWN
03399	LAB		8-10	TH	338	BEV HALL	BROWN

H EC 324 PROBLEMS IN NUTRITION.
PREREQUISITE--CHEM. 354 OR 350 AND 355, H. EC. 220, SENIOR STANDING.
3 TO 5 HOURS, CR 1/2 OR 1 UNIT

03400	LECT		9	M W F	449	BEV HALL	MCKEY
03400	LAB		10	M W FS	426	BEV HALL	MCKEY

H EC 326 DEMONSTRATION PROBLEMS AND TECHNIQUES.
PREREQUISITE--ONE OF THE FOLLOWING--H. EC. 231, 262, 270, 301, 375, 379, 380, 386, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03401	LECT-DISC		1	TU	328	BEV HALL	LAMKIN
03401	LAB		2-5	TU	328	BEV HALL	LAMKIN
			1-4	TH	328	BEV HALL	LAMKIN

H EC 330 EXPERIMENTAL FOODS.
PREREQUISITE--H. EC. 231, MCBIO. 100, 101.
•FOR 1 UNIT THE ADDITIONAL HOURS WILL BE SCHEDULED.
•3 HOURS, OR 1/2 OR 1 UNIT

03402	LECT	1		F	324	BEV HALL	JANSSEN
03402	LAB	1-4	M W		362	BEV HALL	JANSSEN

H EC 331 PROBLEMS IN FOODS.
PREREQUISITE--H. EC. 330.
3 HOURS, OR 1/2 UNIT

03403	LAB-DISC	ARR			486	BEV HALL	VAN DUYNE

H EC 350 INSTITUTION AND RESTAURANT MANAGEMENT--ORGANIZATION AND ADMINISTRATION.
PREREQUISITE--H. EC. 220 AND 240.
FIELD TRIPS, ESTIMATED EXPENSE, $50.
•CREDIT IS NOT GIVEN FOR BOTH H. EC. 350 AND H. EC. 351.
•4 HOURS, OR 1/2 OR 1 UNIT

03404	LECT-DISC	10	TU TH		291	BEV HALL	HUNZICKER
03404	LAB	8-12		S	291	BEV HALL	HUNZICKER

H EC 355 SPECIALIZED QUANTITY FOOD PRODUCTION AND MANAGEMENT.
PREREQUISITE--H. EC. 240, CREDIT OR REGISTRATION IN H. EC. 350 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03405	LECT-DISC	1	TU TH		291	BEV HALL	BONNELL
03405	LAB	2-4	TU TH		292	BEV HALL	BONNELL, LARSON

H EC 361 DEVELOPMENT AND FUNCTION OF FAMILY HOUSING.
SAME AS AG. E. 361.
PREREQUISITE--H. EC. 160 AND 171 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03406	LECT	11	M W		201	AGR ENG	HANSEN
03406	LAB	10-12		F	202	AGR ENG	HANSEN

H EC 375 HOME EQUIPMENT.
PREREQUISITE--H. EC. 171, SIX ADVANCED HOURS IN HOME ECONOMICS INCLUDING ONE OF THE FOLLOWING--H. EC. 231, 273, 380, SENIOR STANDING, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03407	LECT-DISC	8	TU TH		166	BEV HALL	HERNDON
03407	LAB	8-10	M W		166	BEV HALL	HERNDON

H EC 377 HOME ECONOMICS EXTENSION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
FIELD TRIPS.
3 HOURS, OR 1/2 OR 1 UNIT

03408	LECT-DISC	10	TU		449	BEV HALL	
		10-12	TH		449	BEV HALL	

H EC 378 PROBLEMS IN HOME MANAGEMENT.
PREREQUISITE--H. EC. 270 OR 262, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03409	LECT-DISC	ARR					GOODYEAR

H EC 379 PROBLEMS IN FAMILY AND CONSUMPTION ECONOMICS.
PREREQUISITE--ECON. 102 OR 108 AND A COURSE IN APPLIED STATISTICS, H. EC. 370 OR CONSENT OF INSTRUCTOR, SENIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT

03410	LECT-DISC	ARR					DUNSING

H EC 386 CLOTHING DESIGN--DRAPING.
PREREQUISITE--H. EC. 285 OR CONSENT OF INSTRUCTOR, H. EC. 286.
4 HOURS, OR 1 UNIT

03411	LAB-DISC	8-11	M W		108	BEV HALL	ANSPACH
		8-10		F	108	BEV HALL	ANSPACH

H EC 388 PROBLEMS IN TEXTILES AND CLOTHING.
PREREQUISITE--H. EC. 286 OR 380, OR MKTG. 211, MINIMUM GRADE POINT AVERAGE OF 3.5, SENIOR STANDING IN HOME ECONOMICS, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03412	CONF	ARR							ANSPACH CROUTHAMEL GALBRAITH TREBILCOCK

H EC 395 FASHION ANALYSIS.
PREREQUISITE--ADV. 281, SENIOR STANDING, CONSENT OF INSTRUCTOR.
FIELD TRIP, ESTIMATED EXPENSE, $10.
3 HOURS, OR 1/2 UNIT

03413	LECT-DISC	1	M	W	F	242	BEV HALL		TREBILCOCK

COURSES FOR GRADUATES

H EC 418 SEMINAR IN CHILD DEVELOPMENT.
PREREQUISITE--H. EC. 301.
1 UNIT
•ONE MORNING A WEEK, TUESDAY THROUGH FRIDAY, OR PARTICIPATION IN THE NURSERY SCHOOL TO BE ARRANGED.

03414	LECT-DISC	1-3	M			208	C D		MOWRER
03414	LAB	ARR							MOWRER

H EC 423 PROBLEMS IN HUMAN NUTRITION.
PREREQUISITE--H. EC. 324 OR EQUIVALENT.
1/2 OR 1 UNIT

03415	DISC	ARR							

H EC 432 SEMINAR IN FOODS.
PREREQUISITE--UNDERGRADUATE MAJOR IN FOODS AND NUTRITION, CHEMISTRY, MICROBIOLOGY, OR PHYSIOLOGY, AND CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

03416	DISC	ARR				449	BEV HALL		VANDUYNE

H EC 470 SEMINAR IN FAMILY AND CONSUMPTION ECONOMICS.
SAME AS AG. EC. 470.
PREREQUISITE--ECON. 102 OR 108 AND A COURSE IN STATISTICS, H. EC. 370 OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

03417	DISC	ARR				154	BEV HALL		DUNSING

H EC 480 SEMINAR IN TEXTILES.
PREREQUISITE--H. EC. 380 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

03418	DISC	ARR							GALBRAITH

H EC 493 ADVANCED STUDIES IN HOME ECONOMICS.
1/2 OR 1 UNIT
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--
A--THE CHILD AND THE FAMILY
B--FAMILY ECONOMICS
C--FOODS
D--NUTRITION
E--TEXTILES AND CLOTHING

03419	CONF	ARR							STAFF

H EC 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--

A--THE CHILD AND THE FAMILY	MILLS, MOWRER
B--FAMILY ECONOMICS	DUNSING
C--FOODS	VAN DUYNE
D--NUTRITION	SMITH
E--TEXTILES AND CLOTHING	GALBRAITH

03420	CONF	ARR							STAFF

DEPARTMENT OFFICE 124 M H

COURSES FOR UNDERGRADUATES

HORT 100 INTRODUCTORY HORTICULTURE.
PREREQUISITE--BOT. 100.
•STUDENT WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
•3 HOURS

03421	LECT-DISC	2	M W F	W115	T H		ZYCH

HORT 110 PLANT AND ANIMAL GENETICS.
SAME AS AN. S., AGRON., AND D. S. 110.
PREREQUISITE--BOT. 100, ZOOL. 104.
3 HOURS

03422	LECT		2	M W	W109	T H	ALEXANDER,
03423	LAB	1	1-3	TU	W 13	T H	RASMUSEN, AND
03424	LAB	2	3-5	TU	W 13	T H	STARNES
03425	LAB	3	1-3	TH	W 13	T H	

COURSES FOR ADVANCED UNDERGRADUATES

HORT 200 SPECIAL PROBLEMS.
PREREQUISITE--MINIMUM GRADE POINT AVERAGE OF 3.5. NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF INSTRUCTOR AND HEAD OF DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR A THIRD SPECIAL PROBLEMS COURSE.
3 TO 5 HOURS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--

A--POMOLOGY	LOTT, SIMONS, TITUS, ZYCH
B--VEGETABLE CROPS	ARNOLD, MCCOLLUM, THOMPSON VANDEMARK
C--FLORICULTURE	BEEVERS, BUTLER, CULBERT, FOSLER GARTNER, HODGES KEMMERER, NELSON
D--FRUIT BREEDING	BIRKELAND, DAYTON
E--APICULTURE	JAYCOX

03426	CONF	ARR					STAFF

HORT 226 BEDDING AND FOLIAGE PLANTS.
PREREQUISITE--HORT. 122 OR BOT. 100.
3 HOURS

03427	LECT	9	M W	103	FLOR		FOSLER
03427	LAB	8-10	F	101	FLOR		

HORT 230 GARDEN FLOWERS.
PREREQUISITE--BOT. 100.
3 HOURS

03428	LECT-DISC	1	M W F	103	FLOR		SAUPE
03429	LAB	ARR		101	FLOR		

HORT 232 ADVANCED FLORAL DECORATIONS AND FLOWER SHOP MANAGEMENT.
FOR FLORICULTURE STUDENTS ONLY. PREREQUISITE--HORT. 231.
3 HOURS

03429	LECT-DISC	2	TU TH	103	FLOR		CULBERT
03429	LAB	3-5	TU TH	101	FLOR		

HORT 236 TURF MANAGEMENT.
PREREQUISITE--BOT. 100.
3 HOURS

03430	LECT	1	TU TH	103	FLOR		BUTLER
03430	LAB	2	TU TH	101	FLOR		

HORT 242 VEGETABLE CROPS PRODUCTION.
PREREQUISITE--HORT. 100 OR CONSENT OF INSTRUCTOR.
3 HOURS

03431	LECT-DISC	9	M W F	405	M H		ARNOLD, VANDEMARK

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HORT 322 PLANT NUTRITION.
PREREQUISITE--BOT. 230 AND 231 OR EQUIVALENT, AND ONE SEMESTER OF ORGANIC CHEMISTRY.
4 HOURS, OR 1 UNIT

03432	LECT-DISC	A	2	M W	103	FLOR			HODGES
		A	1-3	F	202	FLOR			

COURSES FOR GRADUATES

HORT 424 MINERAL NUTRITION OF PLANTS.
SAME AS BOT. AND AGRON. 424.
PREREQUISITE--BOT. 330 OR CONSENT OF INSTRUCTOR.
1 UNIT

03433	LECT-DISC		8	TU TH	4107	T H			HAGEMAN
			8-10	S	4107	T H			

HORT 441 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, II.
SAME AS AN. S., D.S., V.M.S., AND AGRON. 441.
PREREQUISITE--HORT. 440 OR EQUIVALENT.
1 UNIT

03434	LECT		9	M W F	4107	T H			JACOB
03435	LAB	A	1-3	M	4107	T H			SEIF
03436	LAB	B	3-5	M	4107	T H			
03437	LAB	C	1-3	TU	4107	T H			
03438	LAB	D	3-5	TU	4107	T H			

HORT 447 HORTICULTURE SEMINAR.
PREREQUISITE--GRADUATE STANDING IN HORTICULTURE OR ALLIED FIELDS.
1/4 UNIT

03439	LECT-DISC		4	W	103	FLOR			STAFF

HORT 490 RESEARCH METHODS IN HORTICULTURE.
PREREQUISITE--CHEM. 122 OR EQUIVALENT, CHEM. 133 OR EQUIVALENT, BOT. 330, 5 HOURS OF PHYSICS.
1 UNIT

03440	LECT-DISC		10-12	TU TH	203	VEG CROPS			MCCOLLUM
03440	LAB		1-4	W	203	VEG CROPS			

HORT 492 SPECIAL TOPICS IN HORTICULTURE.
PREREQUISITE--TWENTY HOURS OF UNDERGRADUATE WORK IN HORTICULTURE AND ALLIED SUBJECTS FOR A MAJOR AND TWELVE HOURS FOR A MINOR.
1/2 TO 2 UNITS

03441	CONF		ARR						STAFF

HORT 499 THESIS RESEARCH.
REQUIRED FOR MAJOR IN HORTICULTURE. PREREQUISITE--TWENTY HOURS OF UNDERGRADUATE WORK IN HORTICULTURE AND ALLIED SUBJECTS FOR A MAJOR AND TWELVE HOURS FOR A MINOR.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
WORK MAY BE TAKEN IN THE FOLLOWING SUBJECTS--

A--FLORICULTURE	BEEVERS, COLBERT, GARTNER, HODGES
B--FRUIT BREEDING	BARRETT, BIRKELAND, DAYTON
C--POMOLOGY	JAYCOX, LOTT, SIMONS, TITUS
D--VEGETABLE CROPS	ARNOLD, MCCOLLUM, RHODES, THOMPSON, VANDEMARK

03442	CONF		ARR						STAFF

COURSES FOR UNDERGRADUATES

HUMAN 152 THE HUMANITIES IN WESTERN CULTURE, II.
4 HOURS

03443	LECT-DISC	A	8-10	TU TH	240	ADMIN
03444	LECT-DISC	B	8-10	W F	240	ADMIN
03445	LECT-DISC	C	2-4	TU TH	240	ADMIN
03446	LECT-DISC	D	2-4	M W	240	ADMIN

COURSES FOR ADVANCED UNDERGRADUATES

HUMAN 212 THE GROWTH OF AMERICAN CULTURE, II.
PREREQUISITE--JUNIOR STANDING.
4 HOURS

03447	LECT-DISC		4	MTUWTH	196 L H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

HUMAN 364 INTRODUCTION TO COMPARATIVE LITERATURE, II.
3 HOURS, OR 1/2 UNIT

03448	LECT		11	TU TH	196 L H
03449	DISC	F1	2	TH	194 L H
03450	DISC	G1	3	TH	194 L H

HYGIENE

DEPARTMENT OFFICE HEALTH CENTER

COURSES FOR UNDERGRADUATES

HYG 104 THE SCIENCE OF PERSONAL HEALTH.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS.
INSTRUCTORS TEACHING HYG. 104 ARE AKERS, CAVINS, DUNN, HENDRIX, KIERSCH, MAYNARD, NICHOLS, MILLER, TEIGLER.

03451	LECT	ATV	8	TU	103	M H
03452	LECT	BTV	12	TU	103	M H
03453	LECT	CTV	1	TU	103	M H
03454	LECT	DTV	2	TU	103	M H
03455	DISC	E	8	F	393	BEV HALL
03456	DISC	F	9	F	393	BEV HALL
03457	DISC	G	10	W	393	BEV HALL
03458	DISC	H	10	F	393	BEV HALL
03459	DISC	I	11	W	393	BEV HALL
03460	DISC	J	11	F	393	BEV HALL
03461	DISC	K	12	TH	393	BEV HALL
03462	DISC	L	1	TH	144	BEV HALL
03463	DISC	M	1	F	393	BEV HALL
03464	DISC	N	2	TH	144	BEV HALL
03465	DISC	O	3	TU	393	BEV HALL
03466	DISC	P	3	TH	393	BEV HALL
03467	DISC	Q	4	TU	393	BEV HALL
03468	DISC	R	4	TH	393	BEV HALL

HYG 110 PUBLIC HEALTH.
PREREQUISITE--TWO HOURS CREDIT IN HYGIENE OR SOPHOMORE STANDING.
FIELD TRIPS.
2 HOURS

03469	LECT-DISC	A	10	TU TH	393	BEV HALL	DUNN
03470	LECT-DISC	B	11	TU TH	393	BEV HALL	DUNN

COURSES FOR ADVANCED UNDERGRADUATES

HYG 200 MENTAL HEALTH.
2 HOURS

03471	LECT-DISC	A	M	TU TH	393	BEV HALL	YOUNG
03472	LECT-DISC	B	1	M W	393	BEV HALL	LITTLE

HYG 206 SEX EDUCATION AND FAMILY LIFE.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
2 HOURS
INSTRUCTORS TEACHING HYG. 206 ARE AKERS, HENTZ, CAVINS, MILLER, NICHOLS, AND TUTSLOW.

03473	LECT-DISC	A	2	M W	393	BEV HALL
03474	LECT-DISC	B	9	M W	393	BEV HALL
03475	LECT-DISC	C	4	TU TH	393	BEV HALL
03476	LECT-DISC	D	1	TU TH	144	BEV HALL
03477	LECT-DISC	E	11	TU TH	144	BEV HALL
03478	LECT-DISC	F	1	TU TH	393	BEV HALL
03479	LECT-DISC	G	4	M W	393	BEV HALL
03480	LECT-DISC	H		TU TH	393	BEV HALL
03481	LECT-DISC	I	3	M W	393	BEV HALL
03482	LECT-DISC	J	4	M W	393	BEV HALL

INDONESIAN

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

COURSES FOR ADVANCED UNDERGRADUATES

INDON 202 ELEMENTARY INDONESIAN, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
PREREQUISITE--INDON 201.
3 HOURS

03483	LECT-DISC	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

INDON 304 INTERMEDIATE INDONESIAN, II.
PREREQUISITE--INDON. 303 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT

03484	LECT-DISC	ARR

INDUSTRIAL ENGINEERING

DEPARTMENT OFFICE 144 M E B

COURSES FOR ADVANCED UNDERGRADUATES

I E 232 METHODS-TIME ANALYSIS.
PREREQUISITE--M. E. 183 AND 186, OR EQUIVALENT, JUNIOR STANDING.
*CREDIT IS NOT GIVEN IN BOTH I. E. 232 AND MGMT. 221.
*3 HOURS

03485	LAB-DISC	P	1-3	M W	235	M E B

I E 237 MANUFACTURING ORGANIZATION AND OPERATION.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING.
*CREDIT IS NOT GIVEN IN BOTH I. E. 237 AND MGMT. 101.
*3 HOURS

03486	LECT	9	11	W		253	M E B
03487	DISC	P1	11	M	F	253	M E B
03488	DISC	P2	11	M	F	243	M E B
03489	LECT	6	2	W		253	M E B
03490	DISC	R1	2	M	F	253	M E B
03491	DISC	R2	2	M	F	243	M E B
03492	LECT	4	3	W		253	M E B
03493	DISC	R1	3	M	F	253	M E B
03494	DISC	R2	3	M	F	236	M E B

I E 282 PROCESS PLANNING AND ECONOMY IN MANUFACTURING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, M. E. 186 OR EQUIVALENT.
3 HOURS

03495	LECT-DISC	P	1	TU TH	136	M E B
03496	LAB	P1	9-12	TU	135	M E B
03497	LAB	P2	2-5	TU	135	M E B

I E 283 INDUSTRIAL SYSTEMS ANALYSIS AND DESIGN.
PREREQUISITE--CREDIT OR REGISTRATION IN I. E. 282 AND 286.
3 HOURS

03498	LECT-DISC	P	9	M F	243	M E B
03498	LAB	P	2-5	TH	243	M E B

I E 286 OPERATIONS ANALYSIS.
PREREQUISITE--I E 232 AND 237, MATH 263.
3 HOURS

03499	LECT-DISC	P	10	M W F	243	M E B

I E 287 JOB EVALUATION AND WAGE INCENTIVES.
PREREQUISITE--I E 232 OR EQUIVALENT, SENIOR STANDING.
3 HOURS

03500	LECT-DISC	P	11	M W F	235	M E B

IE 291 SEMINAR.
PREREQUISITE--SENIOR STANDING IN INDUSTRIAL ENGINEERING, MUST BE TAKEN FIRST SEMESTER OF SENIOR YEAR.
NO CREDIT

03501	LECT	P	4	TU	253	M E B

I E 293 SPECIAL PROJECTS.
PREREQUISITE--SENIOR STANDING IN INDUSTRIAL ENGINEERING, CONSENT OF HEAD OF DEPARTMENT.
3 HOURS

03502	CONF	&P	ARR

I E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS

03503	CONF	&P	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

I E 332 STANDARD TIME SYSTEMS.
PREREQUISITE--I. E. 232.
3 HOURS, OR 3/4 OR 1 UNIT

03504	LECT-DISC		8-10	TU TH	235	M E B	PIGAGE

I E 333 ENGINEERING APPLICATIONS OF STATISTICS.
PREREQUISITE--MATH. 263 OR MATH. 363.
3 HOURS, OR 3/4 OR 1 UNIT

03505	LECT-DISC		3	M W F	243	M E B	HENRY

I E 350 MANUFACTURING PROCESS AND TOOL DESIGN.
PREREQUISITE--I E 282 OR UNDERGRADUATE COURSE IN ENGINEERING ECONOMY
3 HOURS, OR 3/4 OR 1 UNIT

03506	LECT-DISC		2	M W F	135	M E B	DOYLE

I E 386 INDUSTRIAL ENGINEERING ANALYSIS.
PREREQUISITE--MATH. 263, I E 286.
3 HOURS, OR 3/4 OR 1 UNIT

03507	LECT-DISC		ARR	TRIGGER

COURSES FOR GRADUATES

I E 417 DESIGN OF CONSTRUCTION AND INDUSTRIAL OPERATIONS, II.
SAME AS C. E. 417.
PREREQUISITE--C. E. OR I. E. 416, CREDIT OR REGISTRATION IN MATH. 315, OR CONSENT OF INSTRUCTOR.
1 UNIT
03508 LECT 1-220 TU TH 208 C E H SHAFFER

I E 454 PRODUCTION ENGINEERING.
PREREQUISITE--I E 453.
1 UNIT
03509 LECT-DISC ARR PIGAGE

I E 458 LABORATORY INVESTIGATIONS IN INDUSTRIAL ENGINEERING.
1/2 TO 1 1/2 UNITS
03510 LAB-DISC ARR PIGAGE, HENRY

ITALIAN

DEPARTMENT OFFICE 224 L H

MAJOR--TWENTY HOURS IN ITALIAN, EXCLUDING ITALIAN 101 AND 102, AND INCLUDING AT LEAST FIVE HOURS FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. HISTORY 217, LINGUISTICS 300 AND ITALIAN 291 AND 292 ARE ACCEPTABLE. ITALIAN 291 AND 292 FOR MAJORS CAN BE ARRANGED FOR ADVANCED GROUP CREDIT.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--
EDUCATION, ENGLISH, EXCLUDING RHET. 101 AND 102, FRENCH, GERMAN, GREEK, HISTORY, LATIN, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, RUSSIAN, AND SPANISH.

COURSES FOR UNDERGRADUATES

ITAL 102 ELEMENTARY ITALIAN, II.
PREREQUISITE--ITAL. 101 OR ONE YEAR OF HIGH SCHOOL ITALIAN.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202-204 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TU. 7PM, 8PM.
03511 LECT-DISC E 1 MTUWTH 4 G H
03512 LECT-DISC F 2 MTUWTH 102 L H
03513 LECT-DISC G 3 MTUWTH 102 L H

ITAL 104 INTERMEDIATE ITALIAN, II.
PREREQUISITE--ITAL. 103 OR THREE YEARS OF HIGH SCHOOL ITALIAN.
4 HOURS
03514 LECT-DISC E 1 MTUWTH 170 L H

COURSES FOR ADVANCED UNDERGRADUATES

ITAL 292 SENIOR THESIS.
FOR CANDIDATES FOR HONORS IN ITALIAN.
2 HOURS
03515 CONF &A ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

ITAL 312 DANTE--LA DIVINA COMMEDIA.
PREREQUISITE--ITAL. 101 AND 102.
2 HOURS, OR 1/2 UNIT
03516 LECT-DISC 2 TU TH 170 L H

COURSES FOR GRADUATES

ITAL 440 ITALIAN LITERATURE OF THE RENAISSANCE.
1 UNIT
[illegible] LECT-DISC 2 M W 170 L H PIETRANGELI

ITAL 441 SPECIAL TOPICS IN ITALIAN.
1/2 OR 1 UNIT
[illegible] [illegible] ARR STAFF

ITAL 499 THESIS RESEARCH.
[illegible] UNITS, SUMMER -- [illegible] 1/2 UNITS
[illegible] [illegible] ARR KAHANE, SHOEMAKER

JAPANESE

DEPARTMENT OFFICE 1[illegible]A DAVENPORT HOUSE

COURSES FOR ADVANCED UNDERGRADUATES

JAPAN 202 ELEMENTARY JAPANESE, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
PREREQUISITE--JAPAN. 201.
3 HOURS
03520 LECT-DISC 3 M W F 154 ADMIN WAIDA

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

JAPAN 304 INTERMEDIATE JAPANESE, II.
PREREQUISITE--JAPAN. 303 OR EQUIVALENT.
[illegible] UNITS, OR 1/2 UNIT
3521 LECT-DISC ARR WAIDA

JOURNALISM

DEPARTMENT OFFICE 115 G H

COURSES FOR UNDERGRADUATES

JOURN 114 AGRICULTURAL JOURNALISM.
SAME AS AGR. 114.
3 HOURS

03522	LECT-DISC	L	10	TU TH	442	M H	EVANS
03523	LAB	1	1	TH	442	M H	
03524	LAB	2	2	TH	442	M H	
03525	LAB	3	3	TH	442	M H	

COURSES FOR ADVANCED UNDERGRADUATES

JOURN 211 NEWSWRITING.
3 HOURS

03526	LECT		11	TH	223	G H	HILDWEIN
03527	LAB	1	10-12	M W	25	G H	STAFF
03528	LAB	2	1-3	M W	25	G H	STAFF
03529	LAB	3	1-3	TU TH	25	G H	STAFF
03530	LAB	4	3-5	TU TH	25	G H	STAFF

JOURN 212 PUBLIC AFFAIRS REPORTING.
PREREQUISITE--JOURN. 211.
3 HOURS
*SIX ADDITIONAL HOURS TO BE ARRANGED.

03531	LECT	K	*9	TU TH	113	G H		GRAHAM

JOURN 214 ADVANCED AGRICULTURAL JOURNALISM.
SAME AS AGR. 214.
PREREQUISITE--JOURN. 114 OR CONSENT OF INSTRUCTOR.
3 HOURS
*ONE HOUR TO BE ARRANGED.

03532	LECT-DISC	K	9	TU TH	313	M H		EVANS
03533	LAB	1	8	TU	442	M H		

JOURN 215 CONTEMPORARY AFFAIRS.
2 HOURS

03534	LECT-DISC		2	TU TH	113	G H		GRAHAM

JOURN 218 THE PRESS AND PUBLIC OPINION.
3 HOURS

03535	LECT-DISC	E	1	M W F	113	G H		CAREY

JOURN 220 PROCESSES AND SYSTEMS OF COMMUNICATION.
SAME AS COMM. 220.
3 HOURS

03536	LECT-DISC	C	10	M W F	113	G H		CAREY

JOURN 223 PHOTO-JOURNALISM.
COST OF MATERIALS APPROXIMATELY $15 PER STUDENT. CAMERAS ARE PROVIDED BY THE COLLEGE.
PREREQUISITE--REGISTRATION IN COLLEGE OF JOURNALISM AND COMMUNICATIONS OR CONSENT OF INSTRUCTOR.
3 HOURS

03537	LECT		10	F	9	G H		HILDWEIN
03538	LAB	E	1-5	F	13	G H		HILDWEIN
03539	LAB	N	1-5	TH	13	G H		HILDWEIN

JOURN 231 MASS COMMUNICATIONS IN A DEMOCRATIC SOCIETY.
3 HOURS

03540	LECT-DISC	D	11	M W F	123	G H		PETERSON
03541	LECT-DISC	E	1	M W F	123	G H		JENSEN

JOURN 291 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

03542	CONF	&A	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

JOURN 308 HIGH SCHOOL JOURNALISM.
PREREQUISITE--HISTORY AND PHILOSOPHY OF ED. 201 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

03543	LECT-DISC		3	M W F	113	G H		GILMORE

JOURN 311 LAW AND THE PRESS.
2 HOURS, OR 1/2 UNIT

03544	LECT-DISC		8	W F	123	G H		ALFELD

JOURN 321 NEWS EDITING.
PREREQUISITE--CREDIT OR REGISTRATION IN JOURN. 204, 211.
4 HOURS OR 1 UNIT

03545	LECT		10	TU TH	113	G H		SCHACHT
03546	LAB	N	1-4	TU TH	229	G H		SCHACHT

JOURN 323 ADVANCED REPORTING.
PREREQUISITE--JOURN. 211 AND 212, OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT
*SIX ADDITIONAL HOURS TO BE ARRANGED.

03547	LECT-DISC	K	9	TU TH	25	G H		KENYON

JOURN 326 MAGAZINE ARTICLE WRITING.
3 HOURS, OR 1/2 UNIT
03548 LECT-DISC B 9 M W F 113 G H SCHACHT

JOURN 327 SPECIAL TOPICS IN TWENTIETH CENTURY JOURNALISM.
PREREQUISITE--ONE COURSE IN COLLEGE HISTORY, CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT
03549 LECT-DISC M 11 TU TH 123 G H KENYON

JOURN 330 MAGAZINE EDITING.
PREREQUISITE--CREDIT OR REGISTRATION IN JOURN. 326.
3 HOURS, OR 1/2 UNIT
03550 LECT-DISC F 2 M W F 113 G H SCHACHT

JOURN 344 COMMUNITY NEWSPAPER PUBLICATION.
PREREQUISITE--JOURN. 211.
3 HOURS, OR 1/2 UNIT
03551 LECT-DISC C 10 M W F 123 G H GILMORE

JOURN 372 SOCIAL ASPECTS OF MASS COMMUNICATIONS.
SAME AS COMM. AND SOC. 372.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
03552 LECT-DISC 10 TU TH 123 G H BROWN

COURSES FOR GRADUATES

JOURN 468 THE POLITICAL ECONOMY OF COMMUNICATIONS, II.
SAME AS COMM. 468.
PREREQUISITE--JOURN. 467.
1 UNIT
03553 LECT-DISC 3-5 M 123 G H SCHILLER

JOURN 470 COMMUNICATIONS AND POPULAR CULTURE.
SAME AS COMM. 470.
1 UNIT
03554 LECT-DISC 3-5 TH 123 G H BROWN

JOURN 472 PRO-SEMINAR IN COMMUNICATIONS, II.
SAME AS COMM. 472.
1 UNIT
03555 LECT-DISC 3-5 TU 123 G H MACLAY AND
03555 DISC 3 TH 43 G H OTHERS

JOURN 474 GOVERNMENT AND MASS COMMUNICATIONS.
SAME AS COMM. 474.
1 UNIT
03556 LECT-DISC 1-3 TU 123 G H CAREY

JOURN 490 SPECIAL TOPICS IN JOURNALISM.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1/2 OR 1 UNIT
03557 CONF ARR STAFF

JOURN 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN JOURNALISM.
1 TO 2 UNITS
03558 CONF ARR STAFF

DEPARTMENT OFFICE 504 E ARMORY, C.

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

L I R 312 HUMAN RELATIONS IN BUSINESS.
SAME AS MGMT. 312.
PREREQUISITE--MGMT. 101 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 3/4 UNIT

03559	LECT-DISC	K	9	TU TH S	219	D K H	
03560	LECT-DISC	E	1	M W F	236	COM W	PLANTY
03561	LECT-DISC	F	2	M W F	236	COM W	PLANTY

L I R 318 INDUSTRY AND SOCIETY.
SAME AS SOC. 318.
PREREQUISITE--SIX HOURS OF SOCIOLOGY INCLUDING ONE OF THE FOLLOWING-
SOC. 218, 223, 300, 322, 326, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

03562	LECT-DISC	A	9	M W F	43	L I R	KARSH

L I R 344 THE LAW AND LABOR.
SAME AS ECON. 344.
PREREQUISITE--ECON. 102 AND 103, OR 108, 240.
3 HOURS, OR 1/2 OR 1 UNIT

03563	LECT-DISC	B	9	M W F	130	COM W	

L I R 357 PSYCHOLOGY OF INDUSTRIAL CONFLICT.
SAME AS PSYCH. 357.
PREREQUISITE--PSYCH. 100 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

03564	LECT-DISC		3-420	TU TH	307	G H	HULIN

COURSES FOR GRADUATES

L I R 418 SEMINAR IN INDUSTRIAL AND ECONOMIC SOCIOLOGY.
SAME AS SOC. 418.
PREREQUISITE--L.I.R. 318 OR CONSENT OF INSTRUCTOR.
1 UNIT

03565	LECT-DISC		10-12	W	43	L I R	PHILLIPS

L I R 435 MOTIVATION AND MORALE IN INDUSTRY.
SAME AS PSYCH. 435.
PREREQUISITE--FOUR UNITS OF GRADUATE CREDIT IN PSYCHOLOGY, OR
CONSENT OF INSTRUCTOR.
1 UNIT

03566	LECT-DISC		1-3	TH	445	G H	NEALEY

L I R 441 LABOR ECONOMICS.
SAME AS ECON. 441.
PREREQUISITE--A MINIMUM OF SIX HOURS OF ECONOMICS.
1 UNIT

03567	LECT-DISC		1-3	TH	140	COM W	

L I R 443 PROBLEMS AND PRACTICES OF LABOR DISPUTE SETTLEMENT.
SAME AS ECON. 443.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03568	LECT-DISC		3-5	TU	43	L I R	MC PHERSON

L I R 446 FOREIGN AND INTERNATIONAL LABOR MOVEMENTS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03569	LECT-DISC		2-4	M	43	L I R	STURMTHAL

L I R 449 PROBLEMS OF PERSONNEL MANAGEMENT.
SAME AS MGMT. 449.
PREREQUISITE--MGMT. 248 AND LIR 448 OR EQUIVALENT.
1 UNIT

03570	LECT-DISC		3-5	W	20	COM W	PLANTY

L I R 450 MANAGEMENT AND INDUSTRIAL RELATIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03571	LECT-DISC	10-12	F	43	L I R	

L I R 490 INDIVIDUAL TOPICS.
1/2 TO 2 UNITS

03572	CONF	ARR				STAFF

L I R 492 READINGS IN LABOR AND INDUSTRIAL RELATIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03573	LECT-DISC	10-12	TH	43	L I R	ROTHBAUM

L I R 496 THE EVOLUTION OF LABOR-MANAGEMENT RELATIONS IN AMERICA.
PREREQUISITE--GRADUATE STANDING IN L I R OR CONSENT OF INSTRUCTOR.
1 UNIT

03574	LECT-DISC	10-12	TU	43	L I R	DERBER

L I R 498 ANALYSIS OF ORGANIZATIONS IN INDUSTRIAL RELATIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

03575	LECT-DISC	10-12	M	43	L I R	LEVINE

L I R 499 THESIS RESEARCH.
1/2 TO 2 UNITS

03576	CONF	2-4	F	43	L I R	STAFF

LANDSCAPE ARCHITECTURE

DEPARTMENT OFFICE 205 M H

COURSES FOR UNDERGRADUATES

L A 122 LANDSCAPE SURVEYS.
3 HOURS

03577	LECT	1	TU TH	316N	M H	HAZLETT
03577	LAB	2-5	TU TH	316N	M H	HAZLETT

L A 132 ELEMENTARY LANDSCAPE DESIGN, 11.
PREREQUISITE--L. A. 131.
3 HOURS

03578	LECT	2	TU	123	M H	WALKER
03578	LAB	3-5	TU TH	214	M H	WALKER
		2	TH	214	M H	WALKER

L A 134 ELEMENTARY LANDSCAPE DESIGN, 1V.
PREREQUISITE--L. A. 133.
4 HOURS

03579	LECT	8	M W	123	M H	DE TURK
03579	LAB	9-12	M W F	214	M H	DE TURK
		8	F	214	M H	DE TURK

L A 152 PLANT MATERIALS, 11.
PREREQUISITE--BOT. 100.
3 HOURS

03580	LECT	3	M W F	123	M H	KEITH
03580	LAB	4	M W F	123	M H	KEITH

COURSES FOR ADVANCED UNDERGRADUATES

L A 214 HISTORY OF LANDSCAPE ARCHITECTURE.
3 HOURS

03581	LECT	2	M W F	123	M H	DE TURK

L A 226 RECREATION RESOURCE PLANNING.
2 HOURS

03582	LECT	1	M W	123 M H		RUTLEDGE

L A 236 INTERMEDIATE LANDSCAPE DESIGN, II.
PREREQUISITE--L. A. 235.
5 HOURS

03583	LECT	8	M W F	316N M H		RUTLEDGE
03583	LAB	9-12	M W F	200 M H		RUTLEDGE

L A 244 LANDSCAPE CONSTRUCTION, III.
PREREQUISITE--L. A. 141.
3 HOURS

03584	LECT	8	TU TH	123 M H		WALKER
03584	LAB	9-12	TU TH	200 M H		WALKER

L A 246 PROFESSIONAL PRACTICE.
2 HOURS

03585	LECT	9	TU TH	316N M H		RUTLEDGE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

L A 338 ADVANCED LANDSCAPE DESIGN, II.
PREREQUISITE--L. A. 337.
8 HOURS OR 1 TO 2 UNITS

03586	LECT	11	M W F	123 M H		HAZLETT
03586	LAB	1-5	MTUWTHF	200 M H		HAZLETT

COURSES FOR GRADUATES

L A 436 ADVANCED LANDSCAPE DESIGN.
PREREQUISITE--BACHELORS DEGREE IN LANDSCAPE ARCHITECTURE.
1 TO 2 UNITS

03587	LAB	ARR	.	1203 W CALIF		CARNES

L A 457 ADVANCED PLANTING DESIGN.
PREREQUISITE--BACHELORS DEGREE IN LANDSCAPE ARCHITECTURE.
1/2 OR 1 UNIT

03588	DISC	ARR		202 M H		KEITH

L A 487 SEMINAR.
1/2 TO 1 UNIT

03589	DISC	ARR		202 M H		CARNES

L A 499 THESIS RESEARCH.
1/2 TO 2 UNITS

03590	CONF	ARR		205 M H		STAFF

LATIN

DEPARTMENT OFFICE 360 L H

MAJOR--TWENTY HOURS, EXCLUDING LATIN 101, 102, AND 103, AND INCLUDING SIX HOURS IN TRANSLATION COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES. IN ADDITION, CLASSICAL CIVILIZATION 301-302 IS STRONGLY RECOMMENDED AS AN ELECTIVE. SEE ALSO THE SPECIALIZED CURRICULUM PREPARATORY TO THE TEACHING OF LATIN.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ENGLISH LITERATURE, FOREIGN LANGUAGE, GREEK BEING ESPECIALLY RECOMMENDED, HISTORY, LIBRARY SCIENCE, AND PHILOSOPHY.

COURSES FOR UNDERGRADUATES

LAT 102 ELEMENTARY LATIN, II.
PREREQUISITE--LAT. 101 OR ONE YEAR OF HIGH SCHOOL LATIN.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS

03591	LECT-DISC	A	12	MTUWTH	240	ADMIN	
03592	LECT-DISC	B	1	MTUWTH	240	ADMIN	KURTH

LAT 103 INTERMEDIATE LATIN.
PREREQUISITE--LAT. 102 OR TWO YEARS OF HIGH SCHOOL LATIN.
4 HOURS

03593	LECT-DISC	A	12	MTUWTH	116	L H	

LAT 104 INTRODUCTION TO VERGIL.
PREREQUISITE--LAT. 103 OR THREE YEARS OF HIGH SCHOOL LATIN.
4 HOURS

03594	LECT-DISC	A	12	MTUWTH	362	L H	
03595	LECT-DISC	B	1	MTUWTH	362	L H	DEN ADEL

LAT 105 VERGIL CONTINUED.
PREREQUISITE--LAT. 104 OR ONE SEMESTER OF VERGIL IN COLLEGE OR HIGH SCHOOL.
4 HOURS

03596	LECT-DISC	A	4	MTUWTH	362	L H	SHUCARD

LAT 114 LATIN COMPOSITION, II.
REQUIRED OF THOSE RECEIVING THE RECOMMENDATION OF THE DEPARTMENT AS TEACHERS.
PREREQUISITE--LAT. 113.
2 HOURS

03597	LECT-DISC	A	9	TU TH	362	L H	BATEMAN

COURSES FOR ADVANCED UNDERGRADUATES

LAT 202 SURVEY OF LATIN LITERATURE.
PREREQUISITE--LAT. 105 OR FOUR YEARS OF HIGH SCHOOL LATIN.
3 HOURS

03598	LECT-DISC	A	10	M W F	362	L H	ABBOTT

LAT 291 SENIOR SURVEY.
PREREQUISITE--SIX HOURS OF CREDIT IN LAT. 391, AND CANDIDATE FOR DISTINCTION IN LATIN.
2 HOURS

03599	CONF	&	ARR		360	L H	BATEMAN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LAT 312 ADVANCED LATIN COMPOSITION, II.
PREREQUISITE--LAT. 311.
2 HOURS, OR 1/2 UNIT

03600	LECT-DISC	A	2	TU TH	362	L H	OLIVER

LAT 391 READINGS IN LATIN LITERATURE.
PREREQUISITE--THREE YEARS OF COLLEGE LATIN OR EQUIVALENT, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 12 HOURS.
*3 HOURS, OR 3/4 UNIT
*GRADUATE STUDENTS ONLY

03601	LECT-DISC	A	2	M W F	362	L H	OLIVER

COURSES FOR GRADUATES

LAT 401 READINGS IN LATIN FOR GRADUATE STUDENTS.
PREREQUISITE--TWO YEARS OF HIGH SCHOOL LATIN, OR THE EQUIVALENT.
4 HOURS, NO GRADUATE CREDIT

03602	LECT-DISC	A	12	MTUWTH	394	L H	BATEMAN

LAT 422 PLAUTUS AND TERENCE.
1 UNIT
03603 LECT-DISC A 1 M W F 407 LIB ABBOTT

LAT 491 DIRECTED READING.
PREREQUISITE--SECOND YEAR GRADUATE STUDENT.
1/2 UNIT
03604 CONF ARR 360 L H HELLER

LAT 496 BIBLIOGRAPHY AND CRITICISM, II.
SAME AS GRK. 496.
1/2 UNIT
03605 LECT-DISC A 1 TU TH 407 LIB OLIVER

LAT 499 THESIS RESEARCH.
SAME AS GRK. 499.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
03606 CONF ARR STAFF

LATIN-AMERICAN STUDIES PROGRAM

DEPARTMENT OFFICE 124 D H

STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

STUDENTS MAY ELECT THE LATIN-AMERICAN STUDIES PROGRAM AS EITHER A MAJOR OR A MINOR. IN BOTH CASES STUDENTS FOLLOW THE SAME PROGRAM. STUDENTS WHO ELECT LATIN-AMERICAN STUDIES AS A MAJOR OR MINOR SHALL BE REQUIRED TO--

1-COMPLETE THE PRESCRIBED AND GENERAL EDUCATION SEQUENCES REQUIRED IN THE SCIENCES AND LETTERS CURRICULUM.

2-COMPLETE SIX SEMESTERS OR EQUIVALENT OF COLLEGE SPANISH OR PORTUGUESE. IF A STUDENT WISHES TO TAKE BOTH SPANISH AND PORTUGUESE HE MAY TAKE TWO YEARS OF EACH TO SATISFY THIS REQUIREMENT. IN THE CASE OF WELL-QUALIFIED STUDENTS THE LANGUAGE REQUIREMENT MAY BE MODIFIED.

3-COMPLETE AT LEAST TWENTY SEMESTER HOURS FROM THE COURSES LISTED BELOW, INCLUDING SOC. S. 101 AND/OR 102 AND SOC. S. 301, CHOSEN FROM AMONG FOUR DEPARTMENTS. COURSES USED FOR MAJOR OR MINOR CREDIT OUTSIDE THE LATIN-AMERICAN STUDIES PROGRAM MAY NOT BE INCLUDED WITHIN THIS TWENTY HOURS.

ANTH. 271, 350, 352, 361, 380
ART 318
ECON. 328, 329
GEOG. 231, 332
HIST. 375, 376, 377
PHIL. 319
POL. S. 342
PORT. 301, 303, 304, 305, 306
SOC. S. 101, 102, 301
SOC. 373
SPAN. 222, 307, 308, 332

MINORS--STUDENTS WHO MAJOR IN LATIN-AMERICAN STUDIES MAY ELECT MINORS AS FOLLOWS--TWENTY HOURS, EXCLUDING COURSES TAKEN IN FRESHMAN YEAR, IN ANY ONE OF THE FOLLOWING SUBJECTS, AGRICULTURAL ECONOMICS ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, HISTORY OF ART, LINGUISTICS, PHILOSOPHY, POLITICAL SCIENCE, PORTUGUESE, SPANISH, SOCIAL WORK, AND SOCIOLOGY. MAJORS IN LATIN AMERICAN STUDIES MAY NOT OFFER A SPLIT MINOR.

SPLIT MINOR--STUDENTS MAY SPLIT A MINOR BETWEEN LATIN-AMERICAN STUDIES AND ANOTHER DEPARTMENT, BUT MUST MEET THE LANGUAGE REQUIREMENT AND TAKE AT LEAST TWELVE SEMESTER HOURS FROM LATIN-AMERICAN STUDIES, INCLUDING SOC. S. 301, AND COURSES FROM AT LEAST TWO DEPARTMENTS IN THE CURRICULUM EXCLUSIVE OF COURSES USED IN THE MAJOR DEPARTMENT.

GRADUATE MINOR IN LATIN-AMERICAN STUDIES

CANDIDATES FOR THE MASTERS DEGREE MUST ELECT A MINIMUM OF TWO UNITS FOR A MINOR IN THIS PROGRAM. DOCTORAL CANDIDATES WHO ELECT LATIN-AMERICAN STUDIES AS A SECOND MINOR MUST EARN A MINIMUM OF FOUR UNITS OF CREDIT IN APPROVED COURSES, FOR A SPLIT MINOR, AT LEAST THREE UNITS OF CREDIT MUST BE EARNED. THE COURSES FOR ALL GRADUATE MINORS IN LATIN-AMERICAN STUDIES MUST BE TAKEN IN AT LEAST TWO DEPARTMENTS OR SUBJECTS AND MUST BE APPROVED BY THE DIRECTOR OF LATIN-AMERICAN STUDIES. COURSES IN THE FOLLOWING LIST MAY BE INCLUDED IN THE GRADUATE MINOR.

AS. PC. 421
ANTH. 350, 352, 351, 380, 440
ART 318, 491
POT. 300

ECON. 328, 329, 411, 490

GEOG. 332, 495

HIST. 375, 376, 377, 476
PHIL. 414, 443
POL. S. 342, 493
PORT. 301, 303, 304, 305, 306, 491
SOC. S. 301
SOC. 373, 490
SPAN. 307, 308, 431, 432, 433, 434, 435, 436

STUDENTS IN OTHER COLLEGES

STUDENTS IN TECHNICAL AND PROFESSIONAL COLLEGES AND SCHOOLS OF THE UNIVERSITY WHO SEEK KNOWLEDGE OF LATIN-AMERICAN AFFAIRS, CULTURE, AND LANGUAGES ARE INVITED TO CONSULT WITH MEMBERS OF THE TEACHING STAFF OF THE LATIN-AMERICAN STUDIES PROGRAM, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. SUCH A PROGRAM MAY OFTEN BE ADOPTED AS A SPECIAL MINOR UNDER EXISTING REGULATIONS IF THE STUDENT SO DESIRES. IT IS RECOGNIZED THAT THE NUMBER OF ELECTIVE HOURS AVAILABLE FOR SUCH SPECIAL AREA STUDIES VARIES AMONG MANY OF THE LIGHT AND TEN SEMESTER PROGRAMS IN THE UNIVERSITY, BUT MOST STUDENTS WISHING TO INCREASE THEIR PROFICIENCY IN LATIN-AMERICAN AFFAIRS CAN DO SO WITHOUT EXCESSIVE OVERCROWDING OF SCHEDULES. THESE COURSES ARE OF PARTICULAR VALUE TO STUDENTS WHO INTEND TO CARRY ON TECHNICAL OR PROFESSIONAL WORK IN THE LATIN AMERICAN AREA FOR THE GOVERNMENT, PRIVATE BUSINESS, PUBLICATIONS, OR RELIGIOUS ORGANIZATIONS.

LAW

DEPARTMENT OFFICE 209 LAW

COURSES FOR FIRST-YEAR LAW STUDENTS

LAW 301 CONTRACTS A.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
PATTERSON, GOBLE & JONES, CASES ON CONTRACTS, 4TH ED.

03607	LECT-DISC	A	11	THFS	E LAW	

LAW 302 CONTRACTS B.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
PATTERSON, GOBLE & JONES, CASES ON CONTRACTS, 4TH ED.

03608	LECT-DISC	A	8	THFS	A LAW	MAGGS
[illegible]	LECT-DISC	B	9	THFS	A LAW	HAY
03610	LECT-DISC	C	10	THFS	A LAW	DAVIS

LAW 303 TORTS A.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*2 OR 3 HOURS, OR 1/2 UNIT
PROSSER & SMITH, CASES ON TORTS - 3RD ED.

03611	LECT-DISC	A	2	MTUW	E LAW	METZGER

LAW 304 TORTS B.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT
FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
CASEBOOK FOR SECT A-SEAREY, KEETON & KEETON, CASES ON TORTS, 2D ED.
CASEBOOK FOR SECT B AND C-PROSSER & SMITH, CASES ON TORTS, 3D ED.

03612	LECT-DISC	A	9	MTUW	B LAW	OCONNOR
03613	LECT-DISC	B	3	MTUW	B LAW	KRAUSE
03614	LECT-DISC	C	4	MTUW	B LAW	KRAUSE

LAW 308 PROPERTY B.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT
FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
CRIBBET, FRITZ & JOHNSON, CASES ON PROPERTY.

03615	LECT-DISC	A	10	MTUW	C LAW	PLAGER
03616	LECT-DISC	B	2	MTUW	C LAW	CRIBBET
03617	LECT-DISC	C	3	MTUW	C LAW	CRIBBET

LAW 310 CONSTITUTIONAL LAW.
*GRADUATE CREDIT FOR THIS COURSE ONLY WITH PERMISSION OF DEPARTMENT
FOR STUDENTS WHO ARE CANDIDATES FOR THE M.C.L. DEGREE.
*3 HOURS, OR 1 UNIT
BARRETT, BRUTON & HONNOLD, CASES ON CONSTITUTIONAL LAW-2ND ED.

03618	LECT-DISC	A	8	MTUW	A LAW	REISNER
03619	LECT-DISC	B	9	MTUW	A LAW	SULLIVAN
03620	LECT-DISC	C	10	MTUW	A LAW	SULLIVAN

LAW 315 LEGAL WRITING AND RESEARCH.
1 HOUR
ROALFE, HOW TO FIND THE LAW--WEIHOFEN, LEGAL WRITING STYLE,
HARVARD UNIFORM CITATOR.

03621	LECT-DISC	A	1	TU	E LAW	COHN AND OTHERS

LAW 316 MOOT COURT.
1 HOUR
*SECTION A IS FOR STUDENTS WHO ENTER IN FEBRUARY 1965.

03626	LECT-DISC	*A	1	TH	A LAW	COHN AND OTHERS
03622	LECT-DISC	B	1	TH	B LAW	COHN AND OTHERS
03623	LECT-DISC	C	2	TH	A LAW	COHN AND OTHERS
03624	LECT-DISC	D	2	TH	B LAW	COHN AND OTHERS
03625	LECT-DISC	E	1	F	A LAW	COHN AND OTHERS

LAW 318 APPELLATE ADVOCACY B.
1 HOUR

03627	CONF	A	ARR			STAFF

LAW 320 BUSINESS ASSOCIATIONS.
3 HOURS, OR 1 UNIT
LATTY & FRAMPTON, BASIC BUSINESS ASSOCIATIONS, 1963 ED.

03628	LECT-DISC	A	8	THFS	D LAW	BAUM
03629	LECT-DISC	B	9	THFS	D LAW	BAUM

COURSES FOR ADVANCED LAW STUDENTS

LAW 323 ADMINISTRATIVE LAW.
3 HOURS, OR 1 UNIT
GELLHORN & BYSE, CASES ON ADMINISTRATIVE LAW, 4TH ED

03630	LECT-DISC	A	9	THFS	B LAW	COHN
03631	LECT-DISC	B	10	THFS	D LAW	COHN

LAW 326 EVIDENCE.
3 HOURS, OR 1 UNIT
MCCORMICK, CASES ON EVIDENCE, 3RD ED.

03632	LECT-DISC	A	9	MTUW	D LAW	CLEARY
03633	LECT-DISC	B	10	MTUW	D LAW	CLEARY

LAW 328 INCOME TAXATION.
3 HOURS, OR 1 UNIT
SURREY AND WARREN, CASES ON FEDERAL INCOME TAXATION, 1960 ED.
INTEGRATED WITH 1961 SUPPLEMENT, AND COMMERCE CLEARING HOUSE,
FEDERAL TAXATION--CURRENT LAW AND PRACTICE.

03634	LECT-DISC	A	3	MTUW	D LAW	YOUNG
03635	LECT-DISC	B	4	MTUW	D LAW	YOUNG

LAW 330 RESTITUTION.
3 HOURS, OR 1 UNIT
WADE, CASES ON RESTITUTION.

03636	LECT-DISC	A	8	THFS	B LAW	DAVIS

LAW 334 CRIMINAL LAW ADMINISTRATION AND PROCEDURE.
2 HOURS, OR 1/2 UNIT
HARNO, CASES ON CRIMINAL LAW AND PROCEDURE, 4TH ED.

03637	LECT-DISC	A	3	THF	A LAW	BOWMAN

LAW 335 TRIALS AND APPEALS.
3 HOURS, OR 1 UNIT
ROSENBURG & WEINSTEIN, ELEMENTS OF CIVIL PROCEDURE--AND EITHER
-FEDERAL RULES OF CIVIL PROCEDURE, 1963 ED.-, OR -HART & WECHSLER,
JUDICIAL CODE AND RULES OF PROCEDURE IN FEDERAL COURTS, STUDENTS
ED., 1962 REV.

03638	LECT-DISC	A	11	THFS	A LAW	STONE

LAW 340 MUNICIPAL CORPORATIONS.
2 HOURS, OR 1/2 UNIT
ANTIEAU, SEASONGOODS CASES ON MUNICIPAL CORPORATIONS, 3D ED.

03639	LECT-DISC	A	11	M W	A LAW	KNEIER

LAW 342 MORTGAGES.
3 HOURS, OR 1 UNIT
OSBORNE, PROPERTY SECURITY, 2D ED.

03640	LECT-DISC	A	9	MTUW	C LAW	HOLT

LAW 344 CREDITORS RIGHTS.
3 HOURS, OR 1 UNIT
HANNA & MACLACHLAN, CASES ON CREDITORS RIGHTS, 5TH ED., AND HANNA &
MACLACHLAN, BANKRUPTCY ACT OF 1898 AS AMENDED WITH ANNOTATIONS, 7TH
ED.

03641	LECT-DISC	A	10	THFS	B LAW	BOWMAN

LAW 346 FUTURE INTERESTS.
3 HOURS, OR 1 UNIT
SIMES, CASES ON THE LAW OF FUTURE INTERESTS, 2D ED. 1951.

03642	LECT-DISC	A	1	WTHF	D LAW	BOYER
03643	LECT-DISC	B	2	WTHF	D LAW	BOYER

LAW 348 INTERNATIONAL LAW.
3 HOURS, OR 1 UNIT
BRIGGS, CASES ON INTERNATIONAL LAW, 2ND ED.

03644	LECT-DISC	A	10	MTUW	B LAW	CARLSTON

LAW 349 STATE AND LOCAL TAXATION.
2 HOURS, OR 1/2 UNIT
MAGILL & MAGUIRE, CASES ON TAXATION, 4TH ED.

03645	LECT-DISC	A	1	TUW	A LAW	YOUNG

LAW 350 THE PROVINCE AND FUNCTION OF THE LEGAL PROFESSION.
3 HOURS
MIMEOGRAPHED MATERIALS.

03646	LECT-DISC	A	3-5	TU	E LAW	REISNER

LAW 351 JURISPRUDENCE.
3 HOURS, OR 1 UNIT
HALL, READINGS IN JURISPRUDENCE.

03647	LECT-DISC	A	2	MTUW	A LAW	CARLSTON

LAW 354 REAL ESTATE PRACTICE.
2 HOURS
ABSTRACT OF TITLE, MIMEOGRAPHED.
03648 LECT-DISC A 5 M W 3 LAW CARMET

LAW 356 FEDERAL COURTS.
3 HOURS, OR 1 UNIT
HART & WECHSLER, THE FEDERAL COURTS AND THE FEDERAL SYSTEM, AND
HART & WECHSLER, THE JUDICIAL CODE AND RULES OF PROCEDURE IN THE
FEDERAL COURTS--STUDENTS ED., 1962 REV.
03649 LECT-DISC A 9 THFS 3 LAW STONE

LAW 360 LEGAL DRAFTING AND LAW OFFICE PRACTICE.
2 HOURS
SMITH, LAW OFFICE ORGANIZATION.
03650 LECT-DISC A 8 M W 117 LAW THOMAS

LAW 362 PRACTICE COURT.
2 HOURS
03651 CONF A 1-3 F COURTROOM LAW COLLARY

LAW 378 SEMINAR--CONFLICT OF LAWS.
2 HOURS, OR 1/2 UNIT
03652 CONF A 4-6 W 111 LAW HOLT

LAW 379 SEMINAR--LAND USE.
2 HOURS, OR 1/2 UNIT
HAAR, LAND USE PLANNING.
03653 CONF A 4-6 M 117 LAW PLAGER

LAW 384 SEMINAR--INTERNATIONAL TRANSACTIONS.
2 HOURS
03654 CONF A 4-6 TH 117 LAW HAY

LAW 386 SEMINAR--CRIMINAL JUSTICE ADMINISTRATION.
2 HOURS OR 1/2 UNIT
03655 CONF A 4-6 W 117 LAW LAFAVE

LAW 391 LEGAL PROBLEMS.
1 HOUR
03656 CONF A ARR STAFF

LAW 392 LEGAL PROBLEMS.
1 HOUR
03657 CONF A ARR STAFF

LAW 393 LEGAL PROBLEMS.
1 HOUR
03658 CONF A ARR STAFF

LAW 394 LEGAL PROBLEMS.
1 HOUR
03659 CONF A ARR STAFF

COURSES FOR GRADUATES

LAW 499 THESIS RESEARCH.
1/2 TO 2 UNITS
03660 CONF A ARR STAFF

DEPARTMENT OFFICE 331 LIB

COURSES FOR UNDERGRADUATES

LIB S 195 INTRODUCTION TO LIBRARY USE.
NOT OPEN TO STUDENTS IN LIBRARY SCHOOL.
2 HOURS

03661	LECT-DISC	A	9	TU TH	66	LIB	OSBORN
03662	LECT-DISC	B	10	TU TH	66	LIB	OSBORN
03663	LECT-DISC	C	11	TU TH	428	LIB	

COURSES FOR ADVANCED UNDERGRADUATES

LIB S 201 INTRODUCTION TO REFERENCE.
3 HOURS

03664	LECT-DISC	2	M W F	428	LIB	

LIB S 204 DEVELOPMENT AND OPERATION OF LIBRARIES.
3 HOURS OR 2 HOURS IN SUMMER.

03665	LECT-DISC	7-930PM	M W	314	LIB	

LIB S 255 ORGANIZATION OF LIBRARY MATERIALS.
PREREQUISITE--SENIOR STANDING.
3 HOURS

03666	LECT-DISC	8	MTUW F	314	LIB	FOX

LIB S 258 SELECTION OF LIBRARY MATERIALS.
3 HOURS, OR 2 HOURS IN SUMMER

03667	LECT-DISC	10	M W F	66	LIB	STEVENS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LIB S 302 LITERATURE OF SCIENCE AND TECHNOLOGY.
3 HOURS, OR 1 UNIT

03668	LECT-DISC	9	M W F	314	LIB	JENKINS

LIB S 303 LIBRARY MATERIALS FOR CHILDREN.
3 HOURS, OR 1/2 OR 1 UNIT

03669	LECT-DISC	A	9	M W F	66	LIB	LADLEY
03670	LECT-DISC	B	11	M W F	66	LIB	LADLEY
03671	LECT-DISC	C	2	M W F	314	LIB	THOMASSEN

LIB S 304 LIBRARY MATERIALS FOR YOUNG ADULTS.
3 HOURS, OR 1/2 OR 1 UNIT

03672	LECT-DISC	A	9	M W F	428	LIB	THOMASSEN
03673	LECT-DISC	B	11	M W F	428	LIB	LOHRER

LIB S 308 AUDIO-VISUAL SERVICES IN LIBRARIES.
3 HOURS, OR 1 UNIT
•ADDITIONAL HOUR ARRANGED FOR 1 UNIT CREDIT.

03674	LECT-DISC	4-6	M W	428	LIB	THOMASSEN

LIB S 309 STORYTELLING.
3 HOURS, OR 1/2 OR 1 UNIT

03675	LECT-DISC	7-930PM	W	428	LIB	LADLEY

COURSES FOR GRADUATES

LIB S 402 STUDIES IN READING.
1 UNIT

03676	LECT-DISC	7-9PM	M	328	LIB	LOHRER

LIB S 406 LIBRARY SERVICE TO CHILDREN AND YOUNG ADULTS.
PREREQUISITE--LIB.S. 204 OR 405.
1 UNIT

03677	LECT-DISC	7-930PM	TU	314	LIB	[illegible]

LIB S 408 CATALOGING AND CLASSIFICATION, II.
PREREQUISITE--LIB.S. 407.
1 UNIT

03678	LECT-DISC	1	M W F	429	LIB	[illegible]

LIB S 410 ADULT EDUCATION AND LIBRARIES.
1 UNIT

03679	LECT-DISC	3-5	TU	314	LIB	GOLDSTEIN

LIB S 411 REFERENCE SERVICE IN THE HUMANITIES AND SOCIAL SCIENCES.
1 UNIT

03680	LECT-DISC	1	M W F	314	LIB	STEVENS

LIB S 412 REFERENCE SERVICE IN SCIENCE AND TECHNOLOGY.
1 UNIT

03681	LECT-DISC	11	M W F	314	LIB	JENKINS

LIB S 424 GOVERNMENT PUBLICATIONS.
PREREQUISITE--LIB. S. 411 OR 412, OR CONSENT OF INSTRUCTOR.
1 UNIT

03682	LECT-DISC	10	M W F	314	LIB	

LIB S 428 PHYSICAL PROBLEMS OF LIBRARIES.
PREREQUISITE--LIB.S. 405 OR CONSENT OF INSTRUCTOR.
1 UNIT

03683	LECT-DISC	8-10	TH	314	LIB	HARRISON

LIB S 429 INFORMATION STORAGE AND RETRIEVAL.
PREREQUISITE--LIB. S. 405 AND CONSENT OF INSTRUCTOR.
1 UNIT

03684	LECT-DISC	10-12	TU	314	LIB	JENKINS

LIB S 430 ADVANCED REFERENCE.
PREREQUISITE--LIB.S. 424 OR CONSENT OF INSTRUCTOR.
1 UNIT

03685	LECT-DISC	10-12	TH	314	LIB	STEVENS

LIB S 432 HISTORY OF BOOKS AND PRINTING.
SAME AS COMM. 432.
1 UNIT

03686	LECT-DISC	3-5	M	314	LIB	[illegible]

LIB S 433 ADVANCED SUBJECT BIBLIOGRAPHY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 1 UNIT.
*1/2 UNIT
*SEC. A -- ARCHITECTURE
*SEC. C -- EDUCATION
*SEC. G -- LAW
*SEC. H -- MAPS

03687	LECT-DISC *A	ARR		202	ARCH	[illegible]
03688	LECT-DISC *C	10	M	100	LIB	[illegible]
03689	LECT-DISC *G	2	[illegible]	104J	LAW	[illegible]
03690	LECT-DISC *H	8-10	[illegible]	428	LIB	[illegible] WHITE

LIB S 434 LARGER UNITS IN LIBRARY ORGANIZATION.
PREREQUISITE--LIB.S. 405 OR CONSENT OF INSTRUCTOR.
1 UNIT

03691	LECT-DISC	2-4	W	328	LIB	GOLDSTEIN

LIB S 436 DEVELOPMENT OF THE LIBRARY CATALOG.
PREREQUISITE--LIB.S. 407, 408, OR CONSENT OF INSTRUCTOR.
1 UNIT

03692	LECT-DISC	8-10	TH	428	LIB	[illegible]

LIB S 443 CONTEMPORARY BOOK PUBLISHING.
1 UNIT

03693	LECT-DISC	1-3	TU	314	LIB	BLUM

COURSES FOR ADVANCED GRADUATES

LIB S 450 ADVANCED PROBLEMS IN LIBRARIANSHIP.
PREREQUISITE--A FIFTH-YEAR DEGREE IN LIBRARY SCIENCE, CONSENT OF ASSOCIATE DIRECTOR.
1/2 TO 2 UNITS

03694	CONF	ARR				STAFF

LIB S 462 EDUCATION FOR LIBRARIANSHIP.
PREREQUISITE--MASTER OF SCIENCE IN LIBRARY SCIENCE OR CONSENT OF INSTRUCTOR.
1 UNIT

03695	LECT-DISC	9-11	W	328	LIB	GOLDSTEIN

LIB S 499 THESIS RESEARCH.
MS CANDIDATES--0 TO 2 UNITS, PHD CANDIDATES--0 TO 4 UNITS

03696	CONF	ARR				STAFF

LINGUISTICS

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

A GRADUATE PROGRAM LEADING TO THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY IN LINGUISTICS IS OFFERED BY THE NEWLY ORGANIZED DEPARTMENT OF LINGUISTICS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES. THE FOLLOWING FIELDS OF LINGUISTICS ARE AVAILABLE FOR CONCENTRATION--DESCRIPTIVE LINGUISTICS, HISTORICAL LINGUISTICS, AND INTERDISCIPLINARY STUDY IN PSYCHOLINGUISTICS, ETHNOLINGUISTICS, EXPERIMENTAL PHONETICS, AND AUTOMATA STUDIES.

UNDERGRADUATE PREPARATION FOR THE STUDY OF LINGUISTICS SHOULD INCLUDE THE EQUIVALENT OF AT LEAST THREE YEARS OF FOREIGN LANGUAGE EXPERIENCE, FOR HISTORICAL LINGUISTICS A BROAD BACKGROUND IN THE HUMANITIES AND SOCIAL STUDIES AND FOR DESCRIPTIVE LINGUISTICS THE EQUIVALENT OF GOOD UNDERGRADUATE TRAINING IN MATHEMATICS AND THE SCIENCES IS DESIRABLE. STUDENTS APPLYING FOR ADMISSION MUST HAVE AT LEAST A 3.75 GRADE POINT AVERAGE FOR THAT PORTION OF THE WORK WHICH REPRESENTS THE LAST SIXTY HOURS EARNED TOWARD THE BACHELORS DEGREE, EXCLUSIVE OF REQUIRED PHYSICAL EDUCATION, MILITARY TRAINING, RECREATIONAL ACTIVITIES IN THE ARTS, OR SPECIALIZED VOCATIONAL OR RELIGIOUS SUBJECTS.

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

LING 301 GENERAL PHONETICS.
SAME AS SPCH. 301.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT
•ONE HOUR TO BE ARRANGED.

03697	LECT-DISC		9	TU TH	304	L H
03698	QUIZ	A	8	W	330	I H
03699	QUIZ	B	10	W	330	I H
03700	QUIZ	E	1	W	330	I H
03701	QUIZ	G	3	W	330	I H

LING 302 COMPARATIVE LINGUISTICS.
PREREQUISITE--FULFILLMENT OF FOREIGN LANGUAGE REQUIREMENT IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES OR THE EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

03702	LECT-DISC		9	M W F	154	ADMIN		KAHANE

LING 310 ADVANCED FIELD METHODS IN LINGUISTICS.
SAME AS ANTH. 310.
PREREQUISITE--LING. 309 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

03703	LECT-DISC		11	M W	137	D H		YEGERLEHNER
03704	LAB	A	10-12	TU	137	D H		
03705	LAB	B	10-12	TH	137	D H		

LING 318 LINGUISTIC TYPES.
PREREQUISITE--LING. 300 OR 317.
3 HOURS OR 1 UNIT

LING 325 INTRODUCTION TO PSYCHOLINGUISTICS.
SAME AS COMM. 325.
PREREQUISITE--AN INTRODUCTORY COURSE IN LINGUISTICS OR PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT

03706	LECT-DISC		2	M W F	123	G H		MACLAY

LING 370 LANGUAGE, CULTURE, AND SOCIETY.
SAME AS COMM. AND ANTH. 370.
3 HOURS, OR 1/2 OR 1 UNIT

03707	LECT-DISC	A	1	M W F	113	D H		CASAGRANDE

LING 376 SPEECH SCIENCE, II.
SAME AS SPCH. 376.
PREREQUISITE--LING. 375 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT
*ONE HOUR TO BE ARRANGED.

03708	LECT-DISC	F	2	M W F	304	L H		ZEMLIN

LING 380 INTRODUCTION TO SLAVIC LINGUISTICS.
SAME AS RUSS. 380.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

03709	LECT-DISC	E	1	M W F	270	L H		MICKLESEN

LING 388 LINGUISTICS IN LANGUAGE LEARNING.
SAME AS RHET. 388.
PREREQUISITE--TWO YEARS OF FOREIGN LANGUAGE AND CONSENT OF INSTRUCTOR.
4 HOURS, OR 3/4 UNIT

03710	LECT-DISC		ARR					ASTON

COURSES FOR GRADUATES

LING 402 LINGUISTIC ANALYSIS, II--PHONOLOGY.
PREREQUISITE--LING. 401 OR CONSENT OF INSTRUCTOR.
1 UNIT

03711	LECT-DISC		1	M W F	154	ADMIN		LEES

LING 404 LINGUISTIC ANALYSIS, III--PRACTICUM.
PREREQUISITE--LING. 401 AND 402.
1/2 UNIT

03712	LECT-DISC		1	TU TH	154	ADMIN		LEES

LING 426 RESEARCH SEMINAR IN PSYCHOLINGUISTICS.
SAME AS PSYCH. AND COMM. 426.
PREREQUISITE--LING. 425 OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

03713	LECT-DISC		ARR					MIRON

LING 450 SEMINAR IN ETHNOLINGUISTICS.
PREREQUISITE--LING. 370 OR CONSENT OF INSTRUCTOR.
1 UNIT

03714	CONF		ARR					STAFF

LING 476 EXPERIMENTAL PHONETICS, II.
SAME AS SPCH. 476.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
03715 LECT-DISC ARR ZEMLIN

LING 490 SPECIAL TOPICS IN LINGUISTICS.
1/2 TO 2 UNITS
03716 CONF ARR STAFF

LING 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
03717 CONF ARR STAFF

MANAGEMENT

DEPARTMENT OFFICE 3175 D K H

COURSES FOR UNDERGRADUATES

MGMT 101 INDUSTRIAL ORGANIZATION AND MANAGEMENT.
PREREQUISITE--ECON. 102 OR CONSENT OF INSTRUCTOR, FORTY-FIVE CREDIT HOURS.
*CREDIT IS NOT GIVEN IN BOTH MGMT. 101 AND I. E. 237.
*3 HOURS

03718	LECT-DISC	A1	8	M W F	219	D K H
03719	LECT-DISC	A2	8	M W F	240	COM W
03720	LECT-DISC	J	8	TU TH S	219	D K H
03730	LECT-DISC	AB	9	M W F	236	COM W
03721	LECT-DISC	K	9-1020	TU TH	21	D K H
03722	LECT-DISC	L	10	TU TH S	219	D K H
03723	LECT-DISC	C	11	M W F	219	D K H
03724	LECT-DISC	M	11	TU TH S	219	D K H
03725	LECT-DISC	X1	12	M W F	219	D K H
03726	LECT-DISC	X2	12	M W F	307	D K H
03727	LECT-DISC	X3	12	M W F	21	D K H
03728	LECT-DISC	N	1-220	TU TH	21	D K H
03729	LECT-DISC	H	4	M W F	307	D K H

COURSES FOR ADVANCED UNDERGRADUATES

MGMT 201 PRODUCTION MANAGEMENT.
PREREQUISITE--MGMT. 101, ECON. 170.
FIELD TRIP.
3 HOURS

03731	LECT-DISC	E	1	M W F	21	D K H

MGMT 205 PRODUCTION PLANNING AND CONTROL.
PREREQUISITE--MGMT. 101.
3 HOURS

03732	LECT-DISC	N	1-220	TU TH	240	COM W

MGMT 221 WORK SIMPLIFICATION AND TIME STUDY.
PREREQUISITE--MGMT. 101.
*CREDIT IS NOT GIVEN IN BOTH MGMT. 221 AND I. E. 232.
*3 HOURS

03733	LAB	A	8-10	TH	4	D K H
03734	LAB	B	10-12	TH	4	D K H
03735	QUIZ	P	3-420	TU TH	21	D K H

MGMT 245 OFFICE MANAGEMENT.
PREREQUISITE--ACCY 105, ECON. 103.
3 HOURS

03736	LECT-DISC	G	3	M W F	21	D K H

MELSON

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MGMT  246     OFFICE EQUIPMENT.
        PREREQUISITE--JUNIOR STANDING.
        3 HOURS
        *LAB. SECTIONS LIMITED TO TWELVE STUDENTS EACH.
      03737   QUIZ        A        8          M  W  F      8  D K H          MELSON
      03738   LAB        *N        1-3         TU TH       8  D K H          MELSON
      03739   LAB        *P        3-5         TU TH       8  D K H          MELSON

MGMT  248     PERSONNEL ADMINISTRATION.
        PREREQUISITE--ECON. 102 OR 108.
        3 HOURS
      03740   LECT-DISC  B        9          M  W  F     21  D K H
      03741   LECT-DISC  C       10          M  W  F     21  D K H
      03742   LECT-DISC  D1      11          M  W  F    307  D K H
      03743   LECT-DISC  D2      11          M  W  F     21  D K H
      03744   LECT-DISC  N        1-220       TU TH     236  COM W

MGMT  292     HONORS COURSE.
        2 TO 4 HOURS
      03745   CONF       &     ARR

MGMT  296     INDEPENDENT STUDY.
        *3 TO 5 HOURS
      03746   CONF       &     ARR


                    COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MGMT  301     MANAGEMENT IN MANUFACTURING.
        PREREQUISITE--MGMT. 101.
        3 HOURS, OR 1/2 UNIT
      03747   LECT-DISC  B        9          M  W  F    219  D K H
      03748   LECT-DISC  K        9-1020      TU TH     240  COM W

MGMT  311     ADMINISTRATIVE POLICIES AND ORGANIZATION.
        PREREQUISITE--MGMT. 101, MKTG. 101, SENIOR STANDING.
        3 HOURS, OR 1/2 OR 3/4 UNIT
      03749   LECT-DISC  G        3          M  W  F    306  D K H

MGMT  312     HUMAN RELATIONS IN BUSINESS.
              SAME AS L.I.R. 312.
        PREREQUISITE--MGMT. 101 OR EQUIVALENT.
        3 HOURS, OR 1/2 OR 3/4 UNIT
      03750   LECT-DISC  K        9           TU TH S   219  D K H
      03751   LECT-DISC  E        1          M  W  F    236  COM W
      03752   LECT-DISC  F        2          M  W  F    236  COM W

MGMT  320     ORGANIZATION THEORY AND PRACTICE.
        PREREQUISITE--MGMT. 312.
        3 HOURS, OR 1/2 OR 3/4 UNIT
      03753   LECT-DISC  D       11          M  W  F    236  COM W
      03754   LECT-DISC  N        1-220       TU TH     219  D K H

MGMT  362     JOB, WAGE, AND CONTRACT ADMINISTRATION.
        PREREQUISITE--ONE OF THE FOLLOWING OR ITS EQUIVALENT--
        ECON. 240, MGMT. 248, PSYCH. 145, 290.
        3 HOURS, OR 1/2 UNIT
      03755   LECT-DISC  N        1-220       TU TH     307  D K H


                                COURSES FOR GRADUATES

MGMT  449     PROBLEMS OF PERSONNEL MANAGEMENT.
              SAME AS L.I.R. 449.
        PREREQUISITE--MGMT. 248, 448, OR EQUIVALENT.
        1 UNIT
      03756   CONF                   3-5          W        20  COM W

MGMT  499     THESIS RESEARCH.
        1 UNIT
      03757   CONF                   4-6       M           20  COM W            DEMARIS
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MARKETING

DEPARTMENT OFFICE 411 D K H

COURSES FOR UNDERGRADUATES

MKTG 101 PRINCIPLES OF MARKETING.
PREREQUISITE--ECON. 102 OR 108, AND FORTY-FIVE CREDIT HOURS.
*CREDIT IS NOT GIVEN IN BOTH MKTG. 101 AND 272.
*3 HOURS
*HONORS SECTION OPEN TO JAMES SCHOLARS AND OTHER HONORS STUDENTS.

03758	LECT-DISC	A1	9	M W F	170	COM W		DEBOER
03759	LECT-DISC	A2	9	M W F	20	COM W		
03760	LECT-DISC	B	9	M W F	20	COM W		BELL
03771	LECT-DISC	*&B	9	M W F	170	COM W		MILLICAN
03761	LECT-DISC	C1	10	M W F	222	D K H		
03762	LECT-DISC	C2	10	M W F	122	D K H		
03763	LECT-DISC	C	11	M W F	222	D K H		BELL
03764	LECT-DISC	E1	1	M W F	122	D K H		
03765	LECT-DISC	E2	1	M W F	305	D K H		
03766	LECT-DISC	G1	3	M W F	122	D K H		
03767	LECT-DISC	G2	3	M W F	219	D K H		
03768	LECT-DISC	K	9	TU TH S	122	D K H		
03769	LECT-DISC	L1	10	TU TH S	122	D K H		
03770	LECT-DISC	L2	10	TU TH S	20	COM W		

COURSES FOR ADVANCED UNDERGRADUATES

MKTG 211 PRINCIPLES OF RETAILING.
PREREQUISITE--MKTG. 101.
3 HOURS

03772	LECT-DISC	A	8	M W F	126	COM W		
03773	LECT-DISC	D	11	M W F	305	D K H		
03774	LECT-DISC	F	2	M W F	219	D K H		

MKTG 272 INDUSTRIAL SELLING.
FOR NON-COMMERCE STUDENTS.
*CREDIT IS NOT GIVEN IN BOTH MKTG. 101 AND 272.
*3 HOURS

03775	LECT-DISC	C	10	M W F	170	COM W		MITCHELL

MKTG 287 ADVERTISING.
PREREQUISITE--MKTG. 101.
*CREDIT IS NOT GIVEN FOR BOTH MKTG. 287 AND ADV. 281.
*3 HOURS

03776	LECT-DISC	E	1	M W F	170	COM W		WALES
03777	LECT-DISC	F	2	M W F	122	D K H		MILLICAN
03778	LECT-DISC	G	3	M W F	170	COM W		MILLICAN

MKTG 288 SALES WRITING.
SAME AS ADV. 288 AND RHET. 271.
PREREQUISITE--RHET. 101, 102, AND 151, OR CONSENT OF INSTRUCTOR.
2 HOURS

03779	LECT-DISC	K	9	TU TH	106	D K H		MAGUIRE
03780	LECT-DISC	M	11	TU TH	306	D K H		MAGUIRE
03781	LECT-DISC	F	2	M W	106	D K H		GIESELMAN

MKTG 292 HONORS COURSE.
2 TO 4 HOURS

03782	CONF	&A	ARR					STAFF

MKTG 296 INDEPENDENT STUDY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*3 TO 5 HOURS

03783	CONF	&A	ARR					STAFF

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MKTG  305     CONTEMPORARY PROBLEMS IN MARKETING MANAGEMENT.
         PREREQUISITE--MKTG. 101, SENIOR STANDING.
         3 HOURS, OR 1/2 UNIT
        03784   LECT-DISC  A       8        M  W  F   122  D K H          JONES
        03785   LECT-DISC  B       9        M  W  F   122  D K H          JONES

MKTG  321     MARKETING RESEARCH.
         PREREQUISITE--MKTG. 101.
         FIELD TRIP, ESTIMATED EXPENSE $4.
         3 HOURS, OR 1/2 UNIT
        03786   LECT-DISC  C      10        M  W  F   305  D K H          DEBOER
        03787   LECT-DISC  F       2        M  W  F   170  COM W          WALES

MKTG  323     PROBLEMS IN BUSINESS RESEARCH.
         PREREQUISITE--MKTG. 321.
         3 HOURS, OR 1/2 OR 1 UNIT
        03788   LECT-DISC  F       2        M  W  F   305  D K H          DEBOER

MKTG  325     SALES AND DISTRIBUTION COST ANALYSIS.
         PREREQUISITE--MKTG. 101 AND SENIOR STANDING, OR CONSENT OF
         INSTRUCTOR.
         3 HOURS, OR 1/2 UNIT
        03789   LECT-DISC  D      11        M  W  F   122  D K H          MITCHELL

MKTG  332     LIVESTOCK MARKETING.
              SAME AS AN. S. AND AG. EC. 332.
         PREREQUISITE--ECON. 108, AG. EC. 230 OR MKTG. 101.
         FIELD TRIP, ESTIMATED EXPENSE, $10.
         3 HOURS, OR 3/4 OR 1 UNIT
        03790   LECT               2              F  W109  T H            BROADBENT
        03791   DISC       F       2        M  W      316S M H            BROADBENT
        03792   DISC       G       3        M  W      316S M H            BROADBENT

MKTG  334     MARKETING DAIRY PRODUCTS.
              SAME AS D. S. AND AG. EC. 334.
         PREREQUISITE--AG. EC. 230 OR MKTG. 101, OR TWELVE HOURS OF DAIRY
         SCIENCE OR DAIRY TECHNOLOGY.
         INSPECTION TRIP, ESTIMATED EXPENSE $5.
         3 HOURS, OR 3/4 OR 1 UNIT
        03793   LECT-DISC  A       8        M  W  F   316S M H            BARTLETT

MKTG  345     CREDITS AND COLLECTIONS.
         PREREQUISITE--MKTG. 101, OR AG. EC. 230.
         3 HOURS, OR 1/2 UNIT
        03794   LECT-DISC  C      10        M  W  F   240  COM W          SCOTTON

MKTG  349     TRADE ASSOCIATION AND COMMERCIAL ORGANIZATION.
         PREREQUISITE--MKTG. 101--SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
         FIELD TRIP MAY BE REQUIRED, ESTIMATED EXPENSE $5.
         2 HOURS, OR 1/2 UNIT
        03795   LECT-DISC  M      11        TU TH      20  COM W

MKTG  351     INDUSTRIAL MARKETING.
         PREREQUISITE--MKTG. 101 OR 272, OR CONSENT OF INSTRUCTOR.
         3 HOURS, OR 1/2 UNIT
        03796   LECT-DISC  C      10        M  W  F    20  COM W          BELL

MKTG  373     SALES MANAGEMENT.
         PREREQUISITE--MKTG. 101 OR 272.
         3 HOURS, OR 1/2 OR 1 UNIT
        03797   LECT-DISC  D      11        M  W  F    19  D K H          SCOTTON

MKTG  382     ADVERTISING COPY AND LAYOUT.
              SAME AS ADV. 382.
         PREREQUISITE--MKTG. 287 OR ADV. 281.
         *CREDIT IS NOT GIVEN IN BOTH MKTG. 382 AND 282.
         *4 HOURS, OR 1 UNIT
        03798   LECT              10        M  W        9  G H
        03799   LAB        E       1-3      M  W       18  G H
        03800   LAB        J      8-10      TU TH      18  G H
        03801   LAB        L     10-12      TU TH      18  G H
        03802   LAB        N       1-3      TU TH      18  G H
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MKTG 383 ADVERTISING MEDIA.
SAME AS ADV. 383.
PREREQUISITE--MKTG. 287 OR ADV. 281.
3 HOURS, OR 1/2 UNIT

03803	LECT-DISC	B	9	M	W	F	18	G	H	
03804	LECT-DISC	F	2	M	W	F	43	G	H	

MKTG 384 ADVERTISING CAMPAIGNS.
SAME AS ADV. 384.
PREREQUISITE--MKTG. 382, OR 282 AND 383.
3 HOURS, OR 1/2 UNIT

03805	LECT-DISC	A	8	M	W	F	113	G	H	MOYER
03806	LECT-DISC	D	11	M	W	F	113	G	H	MOYER

MKTG 385 ADVERTISING PROMOTION AND SALES.
SAME AS ADV. 385.
PREREQUISITE--MKTG. 287 OR ADV. 281.
2 HOURS, OR 1/2 UNIT

03807	LECT	M	11	TU			225	G	H	MCCLURE
03807	LAB	M	10-12		TH		225	G	H	MCCLURE
03808	LECT	O	2	TU			225	G	H	MCCLURE
03808	LAB	O	2-4		TH		225	G	H	MCCLURE

MKTG 386 RADIO AND TELEVISION ADVERTISING.
SAME AS ADV. 386.
PREREQUISITE--MKTG. 287 OR ADV. 281.
2 HOURS, OR 1/2 UNIT

03809	LECT-DISC	C	10	M	W		18	G	H	MCCLURE

MKTG 387 ADVERTISING POLICIES AND PROBLEMS.
SAME AS ADV. 387.
PREREQUISITE--MKTG. 287 OR ADV. 281.
3 HOURS, OR 1/2 OR 1 UNIT

03810	LECT-DISC	A	8	M	W	F	305	D	K	H	WEDDING
03811	LECT-DISC	B	9	M	W	F	305	D	K	H	WEDDING

MKTG 388 ADVERTISING IN CONTEMPORARY SOCIETY.
SAME AS ADV. 388.
PREREQUISITE--MKTG. 287 OR ADV. 281 OR CONSENT OF INSTRUCTOR.
*GRADUATE CREDIT IS NOT GIVEN FOR BOTH MKTG. 388 AND MKTG. 481.
*2 HOURS, OR 1/2 UNIT

03812	LECT-DISC	K	9	TU	TH		123	G	H	SIMON
03813	LECT-DISC	M	11	TU	TH		43	G	H	

COURSES FOR GRADUATES

MKTG 401 MARKETING PRINCIPLES AND PROBLEMS.
1 UNIT

03814	LECT-DISC		2-4	TU			305	D	K	H	HUEGY

MKTG 402 MARKETING METHODS AND PROBLEMS.
1 UNIT

03815	LECT-DISC		10-12		TH		305	D	K	H	WEDDING

MKTG 407 PRICES AND PRICE POLICIES.
1 UNIT

03816	LECT-DISC		10-12	W			166	COM	W		HUEGY

MKTG 422 ADVANCED MARKETING RESEARCH.
PREREQUISITE--MKTG. 321 OR CONSENT OF INSTRUCTOR.
1 UNIT

03817	LECT-DISC		4-6	W			420	D	K	H	WALES

MKTG 472 SALES CAMPAIGNS.
1 UNIT

03818	LECT-DISC		1-3	M			411	D	K	H	SCOTTON

MKTG 481 ADVANCED ADVERTISING PRINCIPLES.
SAME AS ADV. AND COMM. 481.
*GRADUATE CREDIT IS NOT GIVEN FOR BOTH MKTG. 388 AND MKTG. 481.
*1 UNIT

03819	LECT-DISC	3-5	W	123	G H	SANDAGE

MKTG 482 RESEARCH METHODS IN ADVERTISING AND COMMUNICATIONS.
SAME AS ADV. AND COMM. 482.
1 UNIT

03820	LECT-DISC	1-3	TH	123	G H	SIMON

MKTG 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*CLASS MEETS ON ALTERNATE MONDAYS.

03821	DISC	*4-6	M	420	D K H	JONES

MATHEMATICS

DEPARTMENT OFFICE 273 A H

MAJOR IN MATHEMATICS

MAJOR--TWENTY-THREE HOURS IN MATHEMATICS, EXCLUDING COURSES WITH NUMBERS LESS THAN 130, AND INCLUDING THREE COURSES CHOSEN FROM MATH. 317, 318, 327, 328, 332, 333, 347, 348, 353, 354, 387.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ACCOUNTANCY, ASTRONOMY, CHEMISTRY, ECONOMICS, FINANCE, PHILOSOPHY, PHYSICS, PSYCHOLOGY, STATISTICS--MATH. 161, 361, 362, 363, 364, 375, SURVEYING, THEORETICAL AND APPLIED MECHANICS.
DEPARTMENTAL HONORS. ENTERING STUDENTS WITH SUPERIOR MATHEMATICAL ABILITY SHOULD APPLY TO THE DEPARTMENT OF MATHEMATICS, 273 ALTGELD HALL, FOR INFORMATION REGARDING THE HONORS COURSE, MATH. 149. INFORMATION REGARDING REQUIREMENTS FOR GRADUATION WITH DISTINCTION IN MATHEMATICS IS AVAILABLE FROM DR. J. W. PETERS, 267 ALTGELD HALL.

NOTE--AN ENTERING STUDENT WITH AN ADEQUATE PREPARATION IN HIGH SCHOOL MATHEMATICS SHOULD ENROLL IN ANALYTIC GEOMETRY, MATH. 122 OR 123, DURING THE FIRST SEMESTER, AND IN THE CALCULUS, MATH. 132 OR 133, DURING THE SECOND SEMESTER OF HIS FRESHMAN YEAR. ADMISSION TO ANALYTIC GEOMETRY NORMALLY REQUIRES A PASSING GRADE ON THE MATHEMATICS PLACEMENT TEST. A STUDENT INELIGIBLE FOR ANALYTIC GEOMETRY SHOULD ENROLL IN ALGEBRA, MATH. 111 OR 112, AND TRIGONOMETRY, MATH. 114, DURING HIS FIRST SEMESTER.

UNDERGRADUATE STUDENTS INTENDING TO TAKE ADVANCED WORK OR A MAJOR IN MATHEMATICS SHOULD COMPLETE THE SECOND SEMESTER OF THE CALCULUS, MATH. 142 OR 143, AS EARLY AS POSSIBLE. OF THE VARIOUS COURSES OFFERED AT THE 300 LEVEL, THE INTRODUCTORY COURSES IN ALGEBRA, 317, 318, IN GEOMETRY, 327, 328, IN TOPOLOGY, 332, 333, AND IN ANALYSIS, 347, 348 ARE BASIC FOR MORE ADVANCED WORK IN MATHEMATICS. MANY OF THE OTHER 300 LEVEL COURSES ARE DESIGNED TO SERVE STUDENTS WHO ANTICIPATE A RELATIVELY EARLY TERMINATION OF THEIR COURSE WORK IN MATHEMATICS, THESE STUDENTS MIGHT PREFER THE COURSES THAT RELATE INTERMEDIATE MATHEMATICS TO THEIR SPECIALIZED AREAS OF INTEREST. STUDENTS PREPARING TO TEACH HIGH SCHOOL OR COLLEGE MATHEMATICS, OR THOSE INTERESTED IN MATHEMATICS AS A CAREER SHOULD CONSULT WITH DR. J. W. PETERS, 267 ALTGELD HALL, CONCERNING THEIR PROGRAM AT THE EARLIEST POSSIBLE MOMENT AFTER ENTERING THE UNIVERSITY.

MAJOR IN STATISTICS

MAJOR--TWELVE HOURS BEYOND CALCULUS INCLUDING MATH. 315, 347, 363, AND THREE OTHER HOURS OF 300 COURSES IN STATISTICS IN THE DEPARTMENT OF MATHEMATICS.

MINORS--TWENTY HOURS IN ONE SUBJECT APPROVED BY THE DEPARTMENT OF MATHEMATICS. OF THESE TWENTY HOURS NOT MORE THAN NINE MAY BE IN STATISTICAL METHODS, AND MATH. 161 MAY BE TAKEN AS THREE OF THESE HOURS. THE COURSES NOT EMPHASIZING STATISTICAL METHODS SHOULD BE CHOSEN SO THAT COURSES ON THE 400 LEVEL CAN BE TAKEN IF THE STUDENT ENTERS GRADUATE COLLEGE.

MAJOR IN ACTUARIAL SCIENCE

MAJOR--ONE YEAR OF CALCULUS AND AT LEAST FIVE COURSES CHOSEN FROM THE FOLLOWING--MATH. 195, 311, 312, 362, 363, 371, 372,

MINORS--TWENTY HOURS CHOSEN FROM THE FOLLOWING--FIN. 258, 259, 260, 262, 270, 360, 363, 370.

NOTE--STUDENTS ARE URGED TO ELECT ACCY. 201 AND B. LAW 261 IN THEIR JUNIOR YEAR.

COURSES FOR UNDERGRADUATES

MATH 101 BASIC MATHEMATICS, I.
3 HOURS

03822	LECT-DISC	H1	4	M W F	147	A H

MATH 102 BASIC MATHEMATICS, II.
PREREQUISITE--MATH. 101.
3 HOURS

03823	LECT-DISC	H1	4	M W F	155	A H

MATH 104 ELEMENTS OF ALGEBRA AND TRIGONOMETRY.
FOR PREMEDICAL STUDENTS AND STUDENTS IN THE CURRICULUM PREPARATORY TO THE TEACHING OF BIOLOGY WHO HAVE ENTERED WITH ONLY ONE UNIT OF HIGH SCHOOL ALGEBRA AND WHO NEED CREDIT IN TRIGONOMETRY AS A PREREQUISITE TO PHYSICS. DOES NOT SERVE AS A PREREQUISITE FOR MATH. 122 OR 123. SUCH STUDENTS WHO ENTER WITH ONE AND ONE-HALF UNITS OF ALGEBRA MUST TAKE MATH. 114. PREREQUISITE--HIGH SCHOOL ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

03824	LECT-DISC	A1	8	M W F	204	H H

MATH 111 ALGEBRA.
PREREQUISITE--ENTRANCE ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT. STUDENTS HAVING 1-1/2 OR MORE UNITS OF HIGH SCHOOL ALGEBRA MAY NOT TAKE THIS COURSE UNLESS THEY HAVE THE APPROVAL OF THEIR COLLEGE OFFICE
CREDIT IS NOT GIVEN FOR BOTH MATH. 111 AND 112.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.
*5 HOURS

03825	LECT-DISC	A1	8	MTUWTHF	56	M E B
03826	LECT-DISC	A2	8	MTUWTHF	165	A H
03827	LECT-DISC	B1	9	MTUWTHF	159	D H
03828	LECT-DISC	B2	9	MTUWTHF	143	ADMIN
03829	LECT-DISC	C1	10	MTUWTHF	159	D H
03830	LECT-DISC	C2	10	MTUWTHF	143	ADMIN
03831	LECT-DISC	D1	11	MTUWTHF	159	D H
03832	LECT-DISC	D2	11	MTUWTHF	143	ADMIN
03833	LECT-DISC	X1	12	MTUWTHF	155	A H
03834	LECT-DISC	E1	1	MTUWTHF	56	M E B
03835	LECT-DISC	F1	2	MTUWTHF	143	ADMIN
03836	LECT-DISC	G1	3	MTUWTHF	169	A H
03837	LECT-DISC	H1	4	MTUWTHF	159	D H

MATH 112 COLLEGE ALGEBRA.

PREREQUISITE--ENTRANCE ALGEBRA, 1-1/2 UNITS, PLANE GEOMETRY, 1 UNIT. CREDIT IS NOT GIVEN FOR BOTH MATH. 111 AND 112.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.

*3 HOURS

03838	LECT-DISC	A1	8	M	W	F	60	M E B
03839	LECT-DISC	A2	8	M	W	F	169	A H
03840	LECT-DISC	B1	9	M	W	F	152	ADMIN
03841	LECT-DISC	C1	10	M	W	F	152	ADMIN
03842	LECT-DISC	D1	11	M	W	F	152	ADMIN
03843	LECT-DISC	D2	11	M	W	F	107	M E L
03844	LECT-DISC	X1	12	M	W	F	169	A H
03845	LECT-DISC	E1	1	M	W	F	156	ADMIN
03846	LECT-DISC	F1	2	M	W	F	156	ADMIN
03847	LECT-DISC	F2	2	M	W	F	217	M E L
03848	LECT-DISC	G1	3	M	W	F	173	A H
03849	LECT-DISC	H1	4	M	W	F	169	A H

MATH 114 PLANE TRIGONOMETRY.

PREREQUISITE--ENTRANCE ALGEBRA, 1-1/2 UNITS, OR REGISTRATION IN MATH 111, PLANE GEOMETRY, 1 UNIT.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.

*2 HOURS

03850	LECT-DISC	A1	8	TU TH	147	A H
03851	LECT-DISC	A2	8	TU TH	155	A H
03852	LECT-DISC	B1	9	TU TH	147	A H
03853	LECT-DISC	B2	9	TU TH	155	A H
03854	LECT-DISC	B3	9	TU TH	159	A H
03855	LECT-DISC	C1	10	TU TH	147	A H
03856	LECT-DISC	C2	10	TU TH	155	A H
03857	LECT-DISC	C3	10	TU TH	243	A H
03858	LECT-DISC	D1	11	TU TH	108	A H
03859	LECT-DISC	D2	11	TU TH	110	A H
03860	LECT-DISC	E1	1	TU TH	110	A H
03861	LECT-DISC	F1	2	TU TH	108	A H
03862	LECT-DISC	G1	3	TU TH	108	A H
03863	LECT-DISC	H1	4	TU TH	108	A H

MATH 118 INTRODUCTION TO MATHEMATICS, I.

PREREQUISITE--ALGEBRA, 1 UNIT, PLANE GEOMETRY, 1 UNIT, OR EQUIVALENT.

4 HOURS

03864	LECT-DISC	A1	8	MTUWTH	143	ADMIN
03865	LECT-DISC	E1	1	MTUWTH	143	ADMIN
03866	LECT-DISC	G1	3	MTUWTH	159	D H

MATH 119 INTRODUCTION TO MATHEMATICS, II.

PREREQUISITE--MATH. 118.

4 HOURS

03867	LECT-DISC	A1	8	MTUWTH	152	ADMIN
03868	LECT-DISC	E1	1	MTUWTH	152	ADMIN
03869	LECT-DISC	F1	2	MTUWTH	152	ADMIN
03870	LECT-DISC	G1	3	MTUWTH	152	ADMIN

MATH 122 ANALYTIC GEOMETRY.

PREREQUISITE--MATH. 111 OR 112, AND 114.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

*4 HOURS

03871	LECT-DISC	A1	8	MTUWTH	156	ADMIN
03872	LECT-DISC	A2	8	MTUWTH	173	A H
03873	LECT-DISC	X1	12	MTUWTH	173	A H
03874	LECT-DISC	E1	1	MTUWTH	204	H H
03875	LECT-DISC	F1	2	MTUWTH	204	H H
03876	LECT-DISC	G1	3	MTUWTH	204	H H
03877	LECT-DISC	H1	4	MTUWTH	204	H H

MATH 123 ANALYTIC GEOMETRY.

PREREQUISITE--MATH. 111 OR 112, AND 114.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.
•5 HOURS
•SECTION &D1 IS AN HONORS SECTION. ADMISSION
REQUIRES CONCURRENT REGISTRATION IN MATH. 149 SECTION &P.

03878	LECT-DISC	A1	8	MTUWTHF	260	M	E	B	
03879	LECT-DISC	A2	8	MTUWTHF	241	A	H		
03880	LECT-DISC	A3	8	MTUWTHF	343	A	H		
03881	LECT-DISC	B1	9	MTUWTHF	441	A	H		
03882	LECT-DISC	B2	9	MTUWTHF	153B	M	E	B	
03883	LECT-DISC	C1	10	MTUWTHF	441	A	H		
03884	LECT-DISC	C2	10	MTUWTHF	217	M	E	L	
03897	LECT-DISC	•&D1	11	MTUWTHF	165	A	H		L LEVY
03885	LECT-DISC	D2	11	MTUWTHF	445	A	H		
03886	LECT-DISC	D3	11	MTUWTHF	217	M	E	L	
03887	LECT-DISC	X1	12	MTUWTHF	159	A	H		
03888	LECT-DISC	X2	12	MTUWTHF	165	A	H		
03889	LECT-DISC	E1	1	MTUWTHF	173	A	H		
03890	LECT-DISC	E2	1	MTUWTHF	60	M	E	B	
03891	LECT-DISC	F1	2	MTUWTHF	153B	M	E	B	
03892	LECT-DISC	F2	2	MTUWTHF	445	A	H		
03893	LECT-DISC	G1	3	MTUWTHF	56	M	E	B	
03894	LECT-DISC	G2	3	MTUWTHF	447	A	H		
03895	LECT-DISC	H1	4	MTUWTHF	159	A	H		
03896	LECT-DISC	H2	4	MTUWTHF	347	A	H		

MATH 124 INTRODUCTORY ANALYSIS FOR SOCIAL SCIENTISTS.

PREREQUISITE--MATH. 111 OR 112.
•CREDIT IS NOT GRANTED FOR MATH. 124-134 IN ADDITION TO
MATH. 358-359.
•3 HOURS

03898	LECT-DISC	A1	8	M W F	205	G	H		
03899	LECT-DISC	A2	8	M W F	159	D	H		
03900	LECT-DISC	B1	9	M W F	110	L	H		
03901	LECT-DISC	C1	10	M W F	110	L	H		
03902	LECT-DISC	D1	11	M W F	110	L	H		
03903	LECT-DISC	X1	12	M W F	110	L	H		
03904	LECT-DISC	E1	1	M W F	159	D	H		
03905	LECT-DISC	F1	2	M W F	159	D	H		
03906	LECT-DISC	G1	3	M W F	110	L	H		
03907	LECT-DISC	H1	4	M W F	110	L	H		

MATH 132 CALCULUS, I.

PREREQUISITE--MATH. 122 OR 123.
5 HOURS
•SECTIONS &A1, &D1, AND &F1 ARE HONORS SECTIONS. ADMISSION REQUIRES
CONCURRENT REGISTRATION IN MATH. 149 SECTION &G.

03932	LECT-DISC	•&A1	8	MTUWTHF	247	A	H		BROWN
03908	LECT-DISC	A2	8	MTUWTHF	445	A	H		
03909	LECT-DISC	A3	8	MTUWTHF	256	M	E	B	
03910	LECT-DISC	A4	8	MTUWTHF	153A	M	E	B	
03911	LECT-DISC	B1	9	MTUWTHF	204	H	H		
03912	LECT-DISC	B2	9	MTUWTHF	256	M	E	B	
03913	LECT-DISC	C1	10	MTUWTHF	345	A	H		
03914	LECT-DISC	C2	10	MTUWTHF	153A	M	E	B	
03933	LECT-DISC	•&D1	11	MTUWTHF	447	A	H		SCHUBERT
03915	LECT-DISC	D2	11	MTUWTHF	347	A	H		
03916	LECT-DISC	D3	11	MTUWTHF	204	H	H		
03917	LECT-DISC	D4	11	MTUWTHF	256	M	E	B	
03918	LECT-DISC	X1	12	MTUWTHF	110	A	H		
03919	LECT-DISC	X2	12	MTUWTHF	345	A	H		
03920	LECT-DISC	X3	12	MTUWTHF	347	A	H		
03921	LECT-DISC	E1	1	MTUWTHF	256	M	E	B	
03922	LECT-DISC	E2	1	MTUWTHF	153A	M	E	B	
03923	LECT-DISC	E3	1	MTUWTHF	447	A	H		
03934	LECT-DISC	•&F1	2	MTUWTHF	110	A	H		PEPPE
03924	LECT-DISC	F2	2	MTUWTHF	447	A	H		
03925	LECT-DISC	F3	2	MTUWTHF	256	M	E	B	
03926	LECT-DISC	G1	3	MTUWTHF	110	A	H		
03927	LECT-DISC	G2	3	MTUWTHF	145	A	H		
03928	LECT-DISC	G3	3	MTUWTHF	60	M	E	B	
03929	LECT-DISC	H1	4	MTUWTHF	173	A	H		
03930	LECT-DISC	H2	4	MTUWTHF	345	A	H		
03931	LECT-DISC	H3	4	MTUWTHF	443	A	H		

MATH 133 CALCULUS, I.

PREREQUISITE--MATH. 122 OR 123.

3 HOURS

*SECTION &A1 IS AN HONORS SECTION. ADMISSION REQUIRES CONCURRENT REGISTRATION IN MATH 149, SECTION R.

03954	LECT-DISC	*&A1	8	M	W	F	259	A	H		CAIRNS
03935	LECT-DISC	A2	8	M	W	F	447	A	H		
03936	LECT-DISC	A3	8	M	W	F	257	A	H		
03937	LECT-DISC	B1	9	M	W	F	341	A	H		
03938	LECT-DISC	B2	9	M	W	F	153A	M	E	B	
03939	LECT-DISC	B3	9	M	W	F	260	M	E	B	
03940	LECT-DISC	C1	10	M	W	F	347	A	H		
03941	LECT-DISC	C2	10	M	W	F	202	T	B		
03942	LECT-DISC	D1	11	M	W	F	443	A	H		
03943	LECT-DISC	D2	11	M	W	F	202	T	B		
03944	LECT-DISC	X1	12	M	W	F	108	A	H		
03945	LECT-DISC	X2	12	M	W	F	443	A	H		
03946	LECT-DISC	E1	1	M	W	F	260	M	E	B	
03947	LECT-DISC	E2	1	M	W	F	445	A	H		
03948	LECT-DISC	F1	2	M	W	F	247	A	H		
03949	LECT-DISC	F2	2	M	W	F	153A	M	E	B	
03950	LECT-DISC	G1	3	M	W	F	445	A	H		
03951	LECT-DISC	G2	3	M	W	F	256	M	E	B	
03952	LECT-DISC	H1	4	M	W	F	241	A	H		
03953	LECT-DISC	H2	4	M	W	F	343	A	H		

MATH 134 INTRODUCTORY ANALYSIS FOR SOCIAL SCIENTISTS.

PREREQUISITE--MATH. 124.

*CREDIT IS NOT GRANTED FOR MATH. 124-134 IN ADDITION TO MATH. 358-359.

*4 HOURS

03955	LECT-DISC	B1	9	M	WTHF	205	G	H	
03956	LECT-DISC	C1	10	M	WTHF	205	G	H	
03957	LECT-DISC	D1	11	M	WTHF	205	G	H	
03958	LECT-DISC	E1	1	M	WTHF	205	G	H	
03959	LECT-DISC	F1	2	M	WTHF	205	G	H	
03960	LECT-DISC	G1	3	M	WTHF	205	G	H	

MATH 142 CALCULUS, II.

PREREQUISITE--MATH. 132.

3 HOURS

*SECTION &D1 IS AN HONORS SECTION REQUIRING CONCURRENT REGISTRATION IN MATH. 149 SECTION &S.

03961	LECT-DISC	A1	8	M	W	F	243	A	H		
03962	LECT-DISC	A2	8	M	W	F	345	A	H		
03963	LECT-DISC	B1	9	M	W	F	343	A	H		
03964	LECT-DISC	B2	9	M	W	F	202	T	B		
03965	LECT-DISC	C1	10	M	W	F	257	A	H		
03972	LECT-DISC	*&D1	11	M	W	F	243	A	H		HOFFMAN
03966	LECT-DISC	D2	11	M	W	F	441	A	H		
03967	LECT-DISC	X1	12	M	W	F	241	A	H		
03968	LECT-DISC	E1	1	M	W	F	343	A	H		
03969	LECT-DISC	F1	2	M	W	F	202	T	B		
03970	LECT-DISC	G1	3	M	W	F	153A	M	E	B	
03971	LECT-DISC	H1	4	M	W	F	165	A	H		

MATH 143 CALCULUS, II.

PREREQUISITE--MATH. 133.

5 HOURS

03973	LECT-DISC	A1	8	MTUWTHF	245	A	H		
03974	LECT-DISC	B1	9	MTUWTHF	217	M	E	L	
03975	LECT-DISC	C1	10	MTUWTHF	204	H	H		
03976	LECT-DISC	X1	12	MTUWTHF	245	A	H		
03977	LECT-DISC	E1	1	MTUWTHF	243	A	H		
03978	LECT-DISC	F1	2	MTUWTHF	243	A	H		
03979	LECT-DISC	G1	3	MTUWTHF	443	A	H		

MATH 149 HONORS COURSE IN MATHEMATICS.
PREREQUISITE--CONCURRENT REGISTRATION IN THE COURSE AND SECTION INDICATED BELOW, AND CONSENT OF DEPARTMENT. ENROLLMENT STRICTLY LIMITED TO STUDENTS WITH SUPERIOR MATHEMATICAL TALENTS.
1 HOUR
*SECTION &P REQUIRES CONCURRENT REGISTRATION IN MATH. 123 &D1.
*SECTION &Q REQUIRES CONCURRENT REGISTRATION IN MATH. 132 &A1, &D1, OR &E1.
*SECTION &R REQUIRES CONCURRENT REGISTRATION IN MATH. 133 &A1.
*SECTION &S REQUIRES CONCURRENT REGISTRATION IN MATH. 142 &D1.

03980	LECT-DISC	*&P	ARR					
03981	LECT-DISC	*&Q	ARR					
03982	LECT-DISC	*&R	ARR					
03983	LECT-DISC	*&S	ARR					

MATH 161 STATISTICS.
PREREQUISITE--MATH. 111 OR 112, SOPHOMORE STANDING.
*CREDIT IS NOT GIVEN FOR MATH. 161 IN ADDITION TO ECON. 170 OR 171 OR PSYCH. 135.
*3 HOURS
*STUDENTS WHO HAVE COMPLETED A YEAR OF CALCULUS SHOULD ENROLL IN MATH 363 INSTEAD OF MATH 161.

03984	LECT-DISC	D1	11	M W F	156	ADMIN		

MATH 195 INTRODUCTION TO AUTOMATIC DIGITAL COMPUTING.
PREREQUISITE--SOPHOMORE STANDING AND ONE YEAR OF COLLEGE MATHEMATICS, INCLUDING DIFFERENTIAL CALCULUS.
3 HOURS

03985	LECT-DISC	B1	9	M W F	151	E E B		SMITH
03986	LECT-DISC	C1	10	M W F	314	A H		HAMILTON
03987	LECT-DISC	D1	11	M W F	100	M M B		MURRELL
03988	LECT-DISC	E1	1	M W F	151	E E B		GEAR
03989	LECT-DISC	F1	2	M W F	314	A H		RAY

COURSES FOR ADVANCED UNDERGRADUATES

MATH 202 MATHEMATICS FOR ELEMENTARY TEACHERS, I.
PREREQUISITE--JUNIOR STANDING IN ELEMENTARY EDUCATION.
*NO CREDIT FOR L. A. AND S. STUDENTS.
*5 HOURS

03990	LECT-DISC	E1	1	MTUWTHF	314	A H		ARMSTRONG
03991	LECT-DISC	E2	1	MTUWTHF	11	L H		PEPPER
03992	LECT-DISC	F1	2	MTUWTHF	11	L H		PHILLIPS

MATH 203 MATHEMATICS FOR ELEMENTARY TEACHERS, II.
PREREQUISITE--MATH. 202.
*NO CREDIT FOR L. A. AND S. STUDENTS.
*3 HOURS

[illegible]	LECT-DISC	E1	1	M W F	257	A H		PHILLIPS

MATH 222 ADVANCED ASPECTS OF EUCLIDEAN GEOMETRY.
PREREQUISITE--EIGHTEEN HOURS OF MATHEMATICS, INCLUDING ONE YEAR OF CALCULUS.
3 HOURS

[illegible]	LECT-DISC	C1	11	M W F	257	A H		

MATH 249 HONORS COURSE IN MATHEMATICS.
PREREQUISITE--CONCURRENT REGISTRATION IN DESIGNATED HONORS SECTIONS OF CERTAIN ADVANCED UNDERGRADUATE MATHEMATICS COURSES.
1 HOUR
*SECTION &P REQUIRES CONCURRENT REGISTRATION IN MATH. 347 &D1 OR &E1.
*SECTION &Q REQUIRES CONCURRENT REGISTRATION IN MATH 349 &E1.

03995	LECT-DISC	*&P	ARR					
03996	LECT-DISC	*&Q	ARR					

MATH 263 STATISTICS IN ENGINEERING AND THE PHYSICAL SCIENCES.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS

03997	LECT-DISC	C1	10	M W F	260	M E B		
03998	LECT-DISC	C2	10	M W F	56	M E B		
03999	LECT-DISC	F1	2	M W F	260	M E B		
04000	LECT-DISC	G1	3	M W F	260	M E B		

MATH 292 THESIS AND READING COURSE.
PREREQUISITE--MATH. 347 WITH GRADE OF B OR BETTER, OR CONSENT OF MATHEMATICS HONORS COMMITTEE.
2 HOURS
04001 DISC &A ARR

MATH 294 INTRODUCTION TO THE THEORY OF DIGITAL MACHINES.
SAME AS E. E. 294.
PREREQUISITE--JUNIOR STANDING IN ENGINEERING OR MATHEMATICS.
3 HOURS
04002 LECT-DISC C1 10 M W F 269 E E B

MATH 299 PROBLEM SEMINAR AND INTRODUCTION TO RESEARCH.
PREREQUISITE--CALCULUS AND CONSENT OF INSTRUCTOR.
3 HOURS
04003 LECT-DISC C1 10 M W F 159 A H BISHOP

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MATH 300 THE THEORY OF SETS AND THE REAL NUMBER SYSTEM.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
04004 LECT-DISC B1 9 M W F 159 A H
04005 LECT-DISC C1 10 M W F 165 A H
04006 LECT-DISC G1 3 M W F 147 A H

MATH 301 FUNDAMENTAL CONCEPTS OF ALGEBRA.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
04007 LECT-DISC C1 10 M W F 247 A H
04008 LECT-DISC C2 10 M W F 445 A H

MATH 302 FUNDAMENTAL CONCEPTS OF GEOMETRY.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
04009 LECT-DISC A1 8 M W F 159 A H
04010 LECT-DISC C1 10 M W F 245 A H
04011 LECT-DISC C2 10 M W F 447 A H

MATH 305 TEACHERS COURSE.
MEETS FIRST SIX WEEKS AND LAST FOUR WEEKS OF SEMESTER.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
04012 LECT-DISC A1 8 MTUWTHF 110 L H PINGRY

MATH 306 SELECTED MATHEMATICAL TOPICS FOR SECONDARY SCHOOL TEACHERS, I.
PREREQUISITE--ONE YEAR OF SECONDARY SCHOOL TEACHING IN MATHEMATICS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
04013 LECT-DISC B1 9 M W F 247 A H
04014 LECT-DISC B2 9 M W F 445 A H

MATH 312 ADVANCED ALGEBRA.
PREREQUISITE--ONE YEAR OF CALCULUS OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
04015 LECT-DISC B1 9 M W F 257 A H
04016 LECT-DISC B2 9 M W F 447 A H

MATH 314 INTRODUCTION TO SET THEORY AND MATHEMATICAL LOGIC.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS OR 1 UNIT
04017 LECT-DISC A1 8 M W F 147 A H APPEL
04018 LECT-DISC G1 3 M W F 314 A H TAKEUTI

MATH 315 LINEAR TRANSFORMATIONS AND MATRICES.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT
04019 LECT-DISC A1 8 M W F 155 A H
04020 LECT-DISC A2 8 M W F 341 A H
04021 LECT-DISC C1 10 M W F 343 A H
04022 LECT-DISC C2 10 M W F 341 A H
04023 LECT-DISC F1 2 M W F 173 A H
04024 LECT-DISC F2 2 M W F 347 A H

MATH 317 INTRODUCTION TO HIGHER ALGEBRA, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT
•SECTION E1 IS FOR STUDENTS WHO HAVE COMPLETED MATH 306.

04025	LECT-DISC	B1	9	M	W	F	245	A H	
04026	LECT-DISC	C1	10-1130	TU	TH		245	A H	
04027	LECT-DISC	D1	11	M	W	F	245	A H	
04030	LECT-DISC	•E1	1	M	W	F	245	A H	
04028	LECT-DISC	F1	2	M	W	F	345	A H	
04029	LECT-DISC	G1	3	M	W	F	345	A H	

MATH 318 INTRODUCTION TO HIGHER ALGEBRA, II.
PREREQUISITE--MATH. 317.
3 HOURS, OR 1 UNIT
•SECTIONS B2, B3 FOR ACADEMIC YEAR INSTITUTE STUDENTS.

04031	LECT-DISC	B1	9	M	W	F	243	A H	
04034	LECT-DISC	•B2	9	M	W	F	443	A H	BRAUNFELD
04035	LECT-DISC	•B3	9	M	W	F	345	A H	ZARING
04032	LECT-DISC	C1	10	M	W	F	243	A H	
04033	LECT-DISC	G1	3	M	W	F	243	A H	

MATH 328 INTRODUCTION TO HIGHER GEOMETRY, II.
PREREQUISITE--MATH. 327.
3 HOURS, OR 1 UNIT

04036	LECT-DISC	C1	10	M	W	F	241	A H	

MATH 332 INTRODUCTION TO SET THEORY AND TOPOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN MATH. 347.
3 HOURS, OR 1 UNIT

04037	LECT-DISC	D1	11	M	W	F	241	A H	JERRARD
04038	LECT-DISC	F1	2	M	W	F	443	A H	HOO

MATH 333 INTRODUCTION TO ALGEBRAIC TOPOLOGY.
PREREQUISITE--MATH. 318,332, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04039	LECT-DISC	B1	9	M	W	F	241	A H	CAIRNS
04040	LECT-DISC	G1	3	M	W	F	241	A H	

MATH 341 DIFFERENTIAL EQUATIONS, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04041	LECT-DISC	G1	3	M	W	F	165	A H	

MATH 342 DIFFERENTIAL EQUATIONS, II.
PREREQUISITE--MATH. 341.
3 HOURS, OR 1 UNIT

04042	LECT-DISC	F1	2	M	W	F	165	A H	

MATH 343 ADVANCED CALCULUS.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT
•SECTION F1 IS RESTRICTED TO STUDENTS IN THE TEACHER TRAINING CURRICULUM IN MATHEMATICS.
•SECTIONS B1, C1, E1, AND G1 ARE NOT OPEN TO STUDENTS WHO ARE CURRENTLY ENROLLED IN OR HAVE COMPLETED MATH 345.

04043	LECT-DISC	A1	8	M	W	F	145	A H	
04044	LECT-DISC	A2	8	M	W	F	347	A H	
04055	LECT-DISC	•B1	9	M	W	F	155	A H	
04045	LECT-DISC	B2	9	M	W	F	347	A H	
04056	LECT-DISC	•C1	10	M	W	F	173	A H	
04046	LECT-DISC	C2	10	M	W	F	60	M E B	
04047	LECT-DISC	D1	11	M	W	F	173	A H	
04048	LECT-DISC	D2	11	M	W	F	153A	M E B	
04049	LECT-DISC	X1	12	M	W	F	147	A H	
04057	LECT-DISC	•E1	1	M	W	F	169	A H	
04050	LECT-DISC	E2	1	M	W	F	347	A H	
04054	LECT-DISC	•F1	2	M	W	F	257	A H	SCHUBERT
04051	LECT-DISC	F2	2	M	W	F	56	M E B	
04058	LECT-DISC	•G1	3	M	W	F	159	A H	
04052	LECT-DISC	G2	3	M	W	F	347	A H	
04053	LECT-DISC	H1	4	M	W	F	108	A H	

MATH 345 DIFFERENTIAL EQUATIONS AND ORTHOGONAL FUNCTIONS.
PREREQUISITE--ONE YEAR OF CALCULUS.
*CREDIT IS NOT GIVEN FOR BOTH MATH. 345 AND MATH. 349.
*3 HOURS, OR 1 UNIT

04059	LECT-DISC	A1	8	M	W	F	110	A	H	
04060	LECT-DISC	A2	8	M	W	F	443	A	H	
04061	LECT-DISC	A3	8	M	W	F	441	A	H	
04062	LECT-DISC	B1	9	M	W	F	60	M	E	B
04063	LECT-DISC	B2	9	M	W	F	173	A	H	
04064	LECT-DISC	C1	10	M	W	F	443	A	H	
04065	LECT-DISC	C2	10	M	W	F	153B	M	E	B
04066	LECT-DISC	D1	11	M	W	F	159	A	H	
04067	LECT-DISC	D2	11	M	W	F	153B	M	E	B
04068	LECT-DISC	X1	12	M	W	F	102	A	H	
04069	LECT-DISC	X2	12	M	W	F	441	A	H	
04070	LECT-DISC	E1	1	M	W	F	165	A	H	
04071	LECT-DISC	E2	1	M	W	F	443	A	H	
04072	LECT-DISC	F1	2	M	W	F	60	M	E	B
04073	LECT-DISC	F2	2	M	W	F	441	A	H	
04074	LECT-DISC	G1	3	M	W	F	155	A	H	
04075	LECT-DISC	G2	3	M	W	F	441	A	H	
04076	LECT-DISC	H1	4	M	W	F	145	A	H	
04077	LECT-DISC	H2	4	M	W	F	441	A	H	

MATH 346 COMPLEX VARIABLES AND APPLICATIONS.
PREREQUISITE--MATH. 343 OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH MATH. 346 AND MATH. 348.
*3 HOURS, OR 1 UNIT

04078	LECT-DISC	A1	8	M	W	F	321	A	H	
04079	LECT-DISC	B1	9	M	W	F	56	M	E	B
04080	LECT-DISC	C1	10	M	W	F	321	A	H	
04081	LECT-DISC	D1	11	M	W	F	169	A	H	
04082	LECT-DISC	E1	1	M	W	F	102	A	H	
04083	LECT-DISC	F1	2	M	W	F	169	A	H	
04084	LECT-DISC	G1	3	M	W	F	343	A	H	

MATH 347 INTRODUCTION TO HIGHER ANALYSIS, REAL VARIABLES.
PREREQUISITE--MATH. 343 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
*SECTIONS &D1 AND &E1 ARE HONORS SECTIONS REQUIRING CONCURRENT REGISTRATION IN MATH. 249 SECTION &P.
*SECTIONS D2 AND F1 ARE FOR ACADEMIC YEAR INSTITUTE STUDENTS

04085	LECT-DISC	A1	8	M	W	F	108	A	H		
04086	LECT-DISC	B1	9	M	W	F	169	A	H		
04087	LECT-DISC	C1	10	M	W	F	169	A	H		
04089	LECT-DISC	*&D1	11	M	W	F	345	A	H		HARVEY
04091	LECT-DISC	*D2	11	M	W	F	247	A	H		
04090	LECT-DISC	*&E1	1	M	W	F	345	A	H		HELMS
04088	LECT-DISC	E2	1	M	W	F	247	A	H		
04092	LECT-DISC	*F1	2	M	W	F	159	A	H		

MATH 348 INTRODUCTION TO HIGHER ANALYSIS--COMPLEX VARIABLES.
PREREQUISITE--MATH. 347.
*CREDIT IS NOT GIVEN FOR BOTH MATH. 346 AND 348.
*3 HOURS, OR 1 UNIT

04093	LECT-DISC	D1	11	M	W	F	155	A	H	
04094	LECT-DISC	E1	1	M	W	F	441	A	H	
04095	LECT-DISC	F1	2	M	W	F	155	A	H	

MATH 349 DIFFERENTIAL EQUATIONS AND ORTHOGONAL FUNCTIONS.
PREREQUISITE--COMPLETION OF MATH. 347 WITH A GRADE OF B OR HIGHER, AND, FOR UNDERGRADUATES, CONCURRENT REGISTRATION IN MATH. 249.
*CREDIT IS NOT GIVEN FOR BOTH MATH. 349 AND MATH. 345.
*3 HOURS, OR 1 UNIT
*SECTION &E1 IS AN HONORS SECTION REQUIRING CONCURRENT REGISTRATION IN MATH. 249 SECTION &G.

04096	LECT-DISC	*&E1	1	M	W	F	159	A	H		BARTLE

MATH 350 TOPICS IN PURE MATHEMATICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT
*FOR ACADEMIC YEAR INSTITUTE STUDENTS ONLY.

04097	LECT-DISC	F1	230-4	TU	TH		314	A	H		LANDIN

MATH 353 ELEMENTARY THEORY OF NUMBERS, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04098	LECT-DISC	E1	1	M	W	F	321	A	H		ALEXANDER

MATH 354 ELEMENTARY THEORY OF NUMBERS, II.
PREREQUISITE--MATH. 317 OR 353.
3 HOURS, OR 1 UNIT

04099	LECT-DISC	E1	1	M W F	155	A H		LEAHEY

MATH 358 MATHEMATICS FOR SOCIAL SCIENTISTS, I.
PREREQUISITE--MATH. 111 OR 112.
•CREDIT IS GIVEN ONLY TO STUDENTS MAJORING IN SOCIAL SCIENCE.
•CREDIT IS NOT GRANTED FOR MATH. 358-359 IN ADDITION TO MATH. 124-134.
•3 HOURS, OR 1/2 UNIT

04100	LECT-DISC	G1	3	M W F	143	ADMIN		
04101	LECT-DISC	H1	4	M W F	143	ADMIN		

MATH 359 MATHEMATICS FOR SOCIAL SCIENTISTS, II.
PREREQUISITE--MATH. 358.
•CREDIT IS GIVEN ONLY TO STUDENTS MAJORING IN SOCIAL SCIENCE.
•CREDIT IS NOT GRANTED FOR MATH. 358-359 IN ADDITION TO MATH. 124-134.
•3 HOURS, OR 1/2 UNIT

04102	LECT-DISC	G1	3	M W F	156	ADMIN		
04103	LECT-DISC	H1	4	M W F	152	ADMIN		

MATH 361 THEORY OF PROBABILITY.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04104	LECT-DISC	E1	1	M W F	147	A H		
04105	LECT-DISC	H1	4	M W F	341	A H		

MATH 363 ADVANCED STATISTICS, I.
PREREQUISITE--ONE YEAR OF CALCULUS.
3 HOURS, OR 1 UNIT

04106	LECT-DISC	B1	9	M W F	321	A H		
04107	LECT-DISC	F1	2	M W F	321	A H		
04108	LECT-DISC	G1	3	M W F	321	A H		

MATH 364 ADVANCED STATISTICS, II.
PREREQUISITE--MATH. 363.
3 HOURS, OR 1 UNIT

04109	LECT-DISC	D1	11	M W F	147	A H		

MATH 372 ACTUARIAL THEORY, II.
PREREQUISITE--MATH. 371.
3 HOURS, OR 1 UNIT

04110	LECT-DISC	F1	2	M W F	147	A H		

MATH 381 VECTOR AND TENSOR ANALYSIS.
PREREQUISITE--MATH. 343 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04111	LECT-DISC	C1	10	M W F	155	A H		

MATH 382 VECTOR, TENSOR, AND MATRIX METHODS IN APPLIED MATHEMATICS.
PREREQUISITE--MATH. 381 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04112	LECT-DISC	D1	11	M W F	343	A H		BOURGIN

MATH 386 LAPLACE TRANSFORMS.
PREREQUISITE--MATH. 343.
3 HOURS, OR 1 UNIT

04113	LECT-DISC	A1	8	M W F	102	A H		SCOTT

MATH 388 MATHEMATICAL METHODS IN ENGINEERING AND SCIENCE.
PREREQUISITE--MATH. 343.
3 HOURS, OR 1 UNIT

04114	LECT-DISC	B1	9	M W F	156	ADMIN		
04115	LECT-DISC	D1	11	M W F	260	M E B		KETCHUM

MATH 391 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, I.
SAME AS E. E. 391.
PREREQUISITE--SENIOR STANDING AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

04116	LECT-DISC	D1	11	M W F	56	M E B		

MATH 392 BOOLEAN ALGEBRAS WITH APPLICATIONS TO COMPUTER CIRCUITS, II.
SAME AS E. E. 392.
PREREQUISITE--MATH. 391.
3 HOURS, OR 1/2 OR 1 UNIT

04117	LECT-DISC	D1	11	M W F	60	M E B			MULLER

MATH 394 LOGICAL DESIGN OF AUTOMATIC DIGITAL COMPUTER CIRCUITS.
SAME AS E. E. 394.
PREREQUISITE--MATH. 294 AND SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04118	LECT-DISC	F1	2	M W F	260	E E B			

MATH 395 ADVANCED PROGRAMMING.
PREREQUISITE--MATH. 195 AND SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

04119	LECT-DISC	C1	10	M W F	256	M E B			MCCORMICK

COURSES FOR GRADUATES

MATH 401 SECONC COURSE IN ABSTRACT ALGEBRA, I.
PREREQUISITE--MATH. 317 AND 318.
1 UNIT

04120	LECT-DISC	B1	9	M W F	147	A H			TUCKER
04121	LECT-DISC	G1	3	M W F	341	A H			

MATH 402 SECOND COURSE IN ABSTRACT ALGEBRA, II.
PREREQUISITE--MATH. 401.
1 UNIT

04122	LECT-DISC	E1	1	M W F	145	A H			BLOCK

MATH 405 THEORY OF FIELDS.
PREREQUISITE--MATH. 401 AND 402 OR EQUIVALENT.
1 UNIT

04123	LECT-DISC	G1	3	M W F	247	A H			

MATH 406 HOMOLOGICAL ALGEBRA.
PREREQUISITE--MATH. 401 AND 402 OR EQUIVALENT.
1 UNIT

04124	LECT-DISC	C1	10	M W F	147	A H			

MATH 414 LOGICAL FOUNDATIONS OF MATHEMATICS.
PREREQUISITE--PHIL. 333, OR MATH. 317 OR 347 OR CONSENT OF INSTRUCTOR.
1 UNIT

04125	LECT-DISC	C1	10	M W F	145	A H			T ROBINSON

MATH 415 ADVANCED TOPICS IN THE THEORY OF GROUPS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
*G1--A THIRD CCURSE IN GROUP THEORY.
*H1--A SECOND COURSE IN GROUP THEORY.

04126	LECT-DISC	*G1	3	M W F	245	A H			SUZUKI
04127	LECT-DISC	*H1	4	M W F	243	A H			WALTER

MATH 416 ADVANCED TOPICS IN ABSTRACT ALGEBRA.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
SECTION *B1 CONSIDERS RECURSIVE FUNCTION THEORY, CONTINUED.
SECTION *E1 CONSIDERS COMMUTATIVE RINGS.
SECTION *F1 CONSIDERS REPRESENTATION THEORY.
SECTION *F2 CONSIDERS MATHEMATICAL LOGIC.
SECTION *H1 CONSIDERS COMBINATORIAL PROBLEMS.

04128	LECT-DISC	*B1	9	M W F	259	A H			MCLAUGHLIN
04129	LECT-DISC	*E1	1	M W F	110	A H			EAGON
04130	LECT-DISC	*F1	2	M W F	341	A H			REINER
04131	LECT-DISC	*F2	2	M W F	241	A H			TAKEUTI
04132	LECT-DISC	*H1	4	M W F	110	A H			PARKER

MATH 424 RIEMANNIAN GEOMETRY.
PREREQUISITE--MATH. 423.
1 UNIT

04133	LECT-DISC	C1	10	M	W	F	110	A	H	GOLDBERG

MATH 426 DIFFERENTIABLE MANIFOLDS, II.
PREREQUISITE--MATH 425.
1 UNIT
SECTION *C1 CONSIDERS DIFFERENTIABLE MANIFOLDS II.

04134	LECT-DISC	*C1	10-1130	TU	TH		102	A	H	OSBORN

MATH 428 TOPICS IN GEOMETRY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
*SECTION *D2 CONSIDERS GEOMETRY OF GEODESICS.
*SECTION *D1 AND *F1 ARE FOR ACADEMIC YEAR INSTITUTE STUDENTS ONLY.
*SECTION *E1 CONSIDERS ALGEBRAIC GEOMETRY, CONTINUED.

04136	LECT-DISC	*D1	11	M	W	F	341	A	H	BISHOP
04135	LECT-DISC	*D2	11	M	W	F	145	A	H	LEVY
04138	LECT-DISC	*E1	1	M	W	F	341	A	H	GRAY
04137	LECT-DISC	*F1	2	M	W	F	343	A	H	LANDIN

MATH 431 ALGEBRAIC TOPOLOGY, I.
PREREQUISITE--MATH. 333.
1 UNIT

04139	LECT-DISC	G1	3	M	W	F	259	A	H	HELLER

MATH 432 ALGEBRAIC TOPOLOGY, II.
PREREQUISITE--MATH. 431.
1 UNIT

04140	LECT-DISC	G1	3	M	W	F	102	A	H	BOURGIN

MATH 435 GENERAL TOPOLOGY.
PREREQUISITE--MATH. 332 OR CONSENT OF INSTRUCTOR.
1 UNIT

04141	LECT-DISC	H1	4	M	W	F	102	A	H	HAMSTROM

MATH 440 THEORY OF FUNCTIONS OF A COMPLEX VARIABLE, I.
PREREQUISITE--MATH. 348 OR CONSENT OF INSTRUCTOR.
1 UNIT

04142	LECT-DISC	B1	9	M	W	F	108	A	H	KETCHUM

MATH 441 REAL ANALYSIS, I.
PREREQUISITE--MATH. 347 OR EQUIVALENT.
1 UNIT

04143	LECT-DISC	D1	11	M	W	F	108	A	H	
04144	LECT-DISC	E1	1	M	W	F	108	A	H	

MATH 442 REAL ANALYSIS, II.
PREREQUISITE--MATH. 441.
1 UNIT

04145	LECT-DISC	F1	2	M	W	F	145	A	H	A TULCEA

MATH 444 PARTIAL DIFFERENTIAL EQUATIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04146	LECT-DISC	A1	8	M	W	F	314	A	H	LANGEBARTEL
04147	LECT-DISC	C1	10	M	W	F	156	ADMIN		SCOTT

MATH 445 THEORY OF FUNCTIONS OF A COMPLEX VARIABLE.
PREREQUISITE--MATH 332 AND 440 OR CONSENT OF INSTRUCTOR.
1 UNIT

04148	LECT-DISC	D1	11	M	W	F	110	A	H	RUBEL

MATH 446 HILBERT SPACE.
PREREQUISITE--MATH. 442.
1 UNIT

04149	LECT-DISC	G1	3	M	W	F	108	A	H	BARTLE

MATH 452 THEORY OF PROBABILITY.
PREREQUISITE--MATH. 451.
1 UNIT

04150	LECT-DISC	E1	1	M	W	F	241	A H	BURKHOLDER

MATH 454 ANALYTIC THEORY OF NUMBERS.
PREREQUISITE--MATH. 453.
1 UNIT

04151	LECT-DISC	G1	3	M	W	F	257	A H	STAS

MATH 455 MATHEMATICAL METHODS OF PHYSICS, I.
PREREQUISITE--MATH. 348.
1 UNIT

04152	LECT-DISC	B1	9	M	W	F	165	A H	ABERTH

MATH 456 MATHEMATICAL METHODS OF PHYSICS, II.
PREREQUISITE--MATH. 455.
1 UNIT

04153	LECT-DISC	B1	9	M	W	F	145	A H	JERRARD
04154	LECT-DISC	D1	11	M	W	F	321	A H	G BELFORD

MATH 458 NUMERICAL INTEGRATION OF DIFFERENTIAL EQUATIONS.
PREREQUISITE--MATH. 455 OR CONSENT OF INSTRUCTOR.
1 UNIT

04155	LECT-DISC	B1	9	M	W	F	110	A H	FOSDICK

MATH 461 APPLIED STOCHASTIC PROCESSES.
PREREQUISITE--MATH. 346 AND 347.
1 UNIT

04156	LECT-DISC	F1	2	M	W	F	245	A H	KNIGHT

MATH 468 TOPICS IN ANALYSIS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
SECTION *C1 CONSIDERS REAL VARIABLES, METRIC THEORY AND COVERING THEOREMS.
SECTION *C2 CONSIDERS CONFORMAL MAPPING.
SECTIONS *D1 AND *F1 ARE FOR ACADEMIC YEAR INSTITUTE STUDENTS.
SECTION *E1 CONSIDERS SUMMABILITY THEORY.
SECTION *E2 CONSIDERS TOPICS IN FUNCTIONAL ANALYSIS.
SECTION *F2 CONSIDERS CAUCHY PROBLEMS.
SECTION *H1 CONSIDERS POTENTIAL THEORY.

04157	LECT-DISC	*C1	10	M	W	F	259	A H	TRJITZINSKY
04158	LECT-DISC	*C2	10-1130	TU	TH		145	A H	WETZEL
04159	LECT-DISC	*D1	11	M	W	F	102	A H	ZARING
04161	LECT-DISC	*E1	1-230	TU	TH		102	A H	EUSTICE
04162	LECT-DISC	*E2	1	M	W	F	259	A H	C TULCEA
04160	LECT-DISC	*F1	2	M	W	F	108	A H	WEICHSEL
04163	LECT-DISC	*F2	2	M	W	F	259	A H	CARROLL
04164	LECT-DISC	*H1	4	M	W	F	259	A H	HELMS

MATH 470 STATISTICAL DECISION FUNCTIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04165	LECT-DISC	B1	9	M	W	F	102	A H	

MATH 473 THE THEORY OF TESTING HYPOTHESES.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04166	LECT-DISC	C1	10	M	W	F	108	A H	

MATH 478 TOPICS IN STATISTICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04167	LECT-DISC	F1	2	M	W	F	102	A H	

MATH 488 TOPICS IN APPLIED MATHEMATICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
*SECTION D1 CONSIDERS APPLIED GROUP REPRESENTATION THEORY.
*SECTION *H1 CONSIDERS MATHEMATICS OF QUANTUM THEORY.

04168	LECT-DISC	*D1	11	M	W	F	259	A H	MORRIS
04169	LECT-DISC	*H1	4	M	W	F	445	A H	STINESPRING

MATH 489 SEMINAR IN APPLIED MATHEMATICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
*SECTION C1 CONSIDERS DISTRIBUTIONS AND PARTIAL DIFFERENTIAL EQUATIONS.

04170	LECT-DISC	C1	10	M	W	F	102 A H	LANGEBARTEL

MATH 490 READING COURSE.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 TO 2 UNITS

04171	DISC	ARR

MATH 499 THESIS RESEARCH.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

04172	DISC	ARR

MECHANICAL ENGINEERING

DEPARTMENT OFFICE 144 M E B

COURSES FOR UNDERGRADUATES

M E 180 ENGINEERING MATERIALS AND PROCESSES.
PREREQUISITE--SOPHOMORE STANDING.
3 HOURS

04173	LECT-DISC	P	8	M	W	F	143A M E B	

M E 182 MANUFACTURING PROCESSES.
PREREQUISITE--CREDIT OR REGISTRATION IN PHYCS. 107 AND MATH. 142 OR 143.
3 HOURS

04174	LECT-DISC	P1	9	M	W	F	218	M E B
04175	LECT-DISC	P2	9	M	W	F	101	WOODSHOP
04176	LECT-DISC	Q1	10	M	W	F	218	M E B
04177	LECT-DISC	Q2	10	M	W	F	101	WOODSHOP

M E 183 MATERIALS CASTING.
PREREQUISITE--G. E. 103, SOPHOMORE STANDING.
3 HOURS

04178	LECT-DISC	P	8	TU	TH		101	WOODSHOP
04179	LAB	P1	9-12	TU			FDY & PAT LAB	
04180	LAB	P2	9-12		TH		FDY & PAT LAB	
04181	LECT-DISC	Q	1	TU	TH		101	WOODSHOP
04182	LAB	Q1	2-5	TU			FDY & PAT LAB	
04183	LAB	Q2	2-5		TH		FDY & PAT LAB	

M E 186 PRINCIPLES OF METAL CUTTING AND FORMING.
PREREQUISITE--CREDIT OR REGISTRATION IN INTEGRAL CALCULUS AND PHYCS. 107.
3 HOURS

04184	LECT-DISC	P	11	M		F	218	M E B
04185	LAB	P1	9-12	TU			217	M E B
04186	LAB	P2	9-12		TH		217	M E B
04187	LECT-DISC	Q	1	TU	TH		218	M E B
04188	LAB	Q1	2-5	TU			217	M E B
04189	LAB	Q2	2-5		TH		217	M E B

COURSES FOR ADVANCED UNDERGRADUATES

M E 202 THERMODYNAMICS AND HEAT TRANSFER.
PREREQUISITE--MATH. 345, PHYCS. 107, T A M 154 OR 211.
3 HOURS

04190	LECT-DISC	P	8	M	W	F	110	M E B
04191	LECT-DISC	Q	9	M	W	F	253	M E B
04192	LECT-DISC	R	10	M	W	F	253	M E B
04193	LECT-DISC	S	1	M	W	F	160	M E B
04194	LECT-DISC	T	2	M	W	F	160	M E B
04195	LECT-DISC	U	3	M	W	F	218	M E B

M E 205 THERMODYNAMICS.
PREREQUISITE--MATH. 142 OR 143, PHYCS. 107.
3 HOURS

04196	LECT-DISC	P1	10	M	F	143A	M E	B
		P1	10-12	W		143A	M E	B
04197	LECT-DISC	P2	10	M	F	136	M E	B
		P2	10-12	W		136	M E	B
04198	LECT-DISC	Q1	3	M	F	135	M E	B
		Q1	3-5	W		135	M E	B
04199	LECT-DISC	Q2	3	M	F	160	M E	B
		Q2	3-5	W		160	M E	B

M E 206 THERMODYNAMICS.
PREREQUISITE--M E 205.
3 HOURS

04200	LECT-DISC	P1	9	M W	F	160	M E	B
04201	LECT-DISC	P2	9	M W	F	135	M E	B
04202	LECT-DISC	P3	9	M W	F	204	M E	L
04203	LECT-DISC	Q1	11	M W	F	135	M E	B
04204	LECT-DISC	Q2	11	M W	F	204	M E	L
04205	LECT-DISC	R1	2	M W	F	136	M E	B
04206	LECT-DISC	R2	2	M W	F	204	M E	L

M E 207 THERMODYNAMICS.
PREREQUISITE--MATH 142 OR 143 AND PHYCS. 107.
3 HOURS
STUDENTS MUST REGISTER IN ONE LECTURE AND IN ONE DISC SECTION.

04207	LECT	P	3	M W	F	204	M E	L
04208	DISC	P1	4	M		204	M E	L
04209	DISC	P2	4	W		204	M E	L

M E 209 THERMODYNAMICS AND HEAT TRANSFER.
PREREQUISITE--MATH. 142 OR 143, PHYCS. 107.
3 HOURS

04210	LECT-DISC	P1	9	M W	F	143B	M E	B
04211	LECT-DISC	P2	9	M W	F	236	M E	B
04212	LECT-DISC	Q	2	M W	F	236	M E	B

M E 212 HEAT TRANSFER AND GAS DYNAMICS.
PREREQUISITE--M. E. 205, MATH. 345.
•CREDIT IS NOT GIVEN FOR BOTH M. E. 212 AND 254.
•5 HOURS

04213	LECT-DISC	P	8	MTUWTHF		160	M E	B
04214	LECT-DISC	Q	1	MTUWTHF		253	M E	B

M E 214 MECHANICAL ENGINEERING LABORATORY.
PREREQUISITE--M E 209.
3 HOURS

04215	LAB	P	9-12	TU TH		35	M E	B
		P	9-12	TU TH		M E LAB		

M E 215 MECHANICAL ENGINEERING LABORATORY.
PREREQUISITE--M E 205 AND 206.
2 HOURS

04216	LAB	P	1-4	TU TH		35	M E	B
		P	1-4	TU TH		M E LAB		

M E 221 MECHANICS OF MACHINERY.
PREREQUISITE--T A M 156 OR REGISTRATION IN T A M 211.
5 HOURS

04217	LECT-DISC	P1	9	M W	F	343	M E	B
04217	LAB	P1	9-12	TU TH		343	M E	B
04218	LECT-DISC	P2	9	M W	F	335	M E	B
04218	LAB	P2	9-12	TU TH		335	M E	B
04219	LECT-DISC	P3	9	M W	F	332	M E	B
04219	LAB	P3	9-12	TU TH		332	M E	B
04220	LECT-DISC	Q1	1	M W	F	349	M E	B
04220	LAB	Q1	1-4	TU TH		349	M E	B
04221	LECT-DISC	Q2	1	M W	F	335	M E	B
04221	LAB	Q2	1-4	TU TH		335	M E	B

M E 222 MECHANICS OF MACHINERY.
PREREQUISITE--JUNIOR STANDING IN AERONAUTICAL AND ASTRONAUTICAL ENGINEERING.
3 HOURS

04222	LECT-DISC	P	3-5	M W	F	335	M E	B

M E 224 DESIGN OF MACHINE ELEMENTS.
PREREQUISITE--M E 221, OR M E 222, T A M 221, CREDIT OR REGISTRATION IN T A M 223.
3 HOURS
*HONORS SECTION.

04223	LECT-DISC	P1	8-10	M	W	F	336	M E	B
04224	LECT-DISC	P2	8-10	M	W	F	358	M E	B
04228	LECT-DISC	*&Q1	10-12	M	W	F	336	M E	B
04225	LECT-DISC	Q2	10-12	M	W	F	358	M E	B
04226	LECT-DISC	R1	1-3	M	W	F	336	M E	B
04227	LECT-DISC	R2	1-3	M	W	F	358	M E	B

M E 234 HEAT TREATMENT OF METALS.
PREREQUISITE--T A M 221, CREDIT OR REGISTRATION IN M E 224 AND T A M 223.
3 HOURS

04229	LECT-DISC	P	8	TU	TH	110	M E	B
04230	LAB	P1	9-12	TU		110	M E	B
		P1	9-12	TU		114	M E	B
04231	LAB	P2	9-12		TH	110	M E	B
		P2	9-12		TH	114	M E	B
04232	LECT-DISC	Q	11	M	W	110	M E	B
04233	LAB	Q1	2-5	TU		110	M E	B
		Q1	2-5	TU		114	M E	B
04234	LAB	Q2	2-5		TH	110	M E	B
		Q2	2-5		TH	114	M E	B
04235	LECT-DISC	R	1	TU	TH	110	M E	B
04236	LAB	R1	2-5	M		110	M E	B
		R1	2-5	M		114	M E	B

M E 252 HEATING AND AIR CONDITIONING FOR ARCHITECTS.
PREREQUISITE--JUNIOR STANDING.
4 HOURS

04237	LECT-DISC	P	11	MTU	THF	240	COM W

M E 254 HEAT TRANSFER AND GAS DYNAMICS.
PREREQUISITE--M. E. 205, CREDIT OR REGISTRATION IN T. A. M. 232.
*CREDIT IS NOT GIVEN FOR BOTH M. E. 254 AND 212.
*3 HOURS

04238	LECT-DISC	P	11	M	W	F	160	M E B

M E 256 INTERNAL COMBUSTION ENGINES.
PREREQUISITE--M E 206.
3 HOURS

04239	LECT-DISC	P	9	M		F	136	M E B
04240	LAB	P1	8-10	TU			101	M E B
04241	LAB	P2	10-12		TH		101	M E B
04242	LECT-DISC	Q	2	M		F	143A	M E B
04243	LAB	Q1	1-3	TU			101	M E B
04244	LAB	Q2	3-5		TH		101	M E B

M E 257 GAS TURBINES.
PREREQUISITE--M.E. 206, AND 212 OR EQUIVALENT.
3 HOURS

04245	LECT-DISC	P	11	M		F	136	M E B
04246	LAB	P1	10-12	TU			101	M E B
04247	LAB	P2	8-10		TH		101	M E B
04248	LAB	P3	1-3		TH		101	M E B

M E 259 REFRIGERATION.
PREREQUISITE--M E 206 AND 212.
3 HOURS

04249	LECT-DISC	P	10	M	W	F	160	M E B

M E 260 AIR FLOW AND CONDITIONING.
PREREQUISITE--M E 206 AND 212.
3 HOURS

04250	LECT-DISC	P	8	M		F	136	M E B
		P	8-10		W		136	M E B
04251	LECT-DISC	Q	3	M		F	136	M E B
		Q	3-5		W		136	M E B

M E 263 APPLICATION OF ENERGY CONCEPTS TO POWER PROCESSES.
PREREQUISITE--M.E. 206 AND 212.
5 HOURS

04252	LECT-DISC	P	8	M W F	253	M E B
04253	LAB	P1	8-10	TU TH	204	M E L
		P1	8-10	TU TH	101	M E B
		P1	8-10	TU TH	M E LAB	
04254	LAB	P2	10-12	TU TH	204	M E L
		P2	10-12	TU TH	101	M E B
		P2	10-12	TU TH	M E LAB	
04255	LAB	P3	1-3	TU TH	204	M E L
		P3	1-3	TU TH	101	M E B
		P3	1-3	TU TH	M E LAB	

M E 264 HEAT POWER LABORATORY.
PREREQUISITE--M E 212 AND 263.
3 HOURS

04256	LAB	P	10-12	M W F	112	M E L
		P	10-12	M W F	101	M E B
		P	10-12	M W F	M E LAB	
04257	LAB	Q	1-3	M W F	112	M E L
		Q	1-3	M W F	101	M E B
		Q	1-3	M W F	M E LAB	

M E 271 DESIGN OF MACHINE ELEMENTS.
PREREQUISITE--M E 224.
3 HOURS
* HONORS SECTION.

04258	LECT-DISC	P1	8-10	M W F	353	M E B
04262	LECT-DISC	*&Q1	10-12	M W F	349	M E B
04259	LECT-DISC	Q2	10-12	M W F	353	M E B
04260	LECT-DISC	R1	1-3	M W F	353	M E B
04261	LECT-DISC	R2	1-3	M W F	343	M E B

M E 284 WELDING ENGINEERING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS

04263	LECT-DISC	P	3	M F	143A	M E B
04263	LAB	P	9	TU	143A	M E B
		P	10-12	TU	221	M E B

M E 291 SEMINAR.
PREREQUISITE--SENIOR STANDING IN MECHANICAL ENGINEERING, MUST BE TAKEN FIRST SEMESTER OF SENIOR YEAR.
NO CREDIT

04264	LECT	P	4	TU	218	M E B

M E 293 SPECIAL PROJECTS.
PREREQUISITE--SENIOR STANDING IN MECHANICAL ENGINEERING, CONSENT OF HEAD OF DEPARTMENT.
3 HOURS

04265	CONF	P	ARR

M E 296 HONORS PROJECT.
PREREQUISITE--CONSENT OF INSTRUCTOR, 4.5 AVERAGE IN ENGINEERING.
1 TO 4 HOURS

04266	CONF	&P	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

M E 301 THERMODYNAMICS.
PREREQUISITE--M E 206, OR EQUIVALENT, AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04267	LECT	10	M W F	204	M E L	JACKSON, SCH

M E 302 NUCLEAR POWER ENGINEERING.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04268	LECT-DISC	9	M W F	143A	M E B	LARSON

M E 304 DIRECT ENERGY CONVERSION.
PREREQUISITE--M.E. 301 OR CONSENT OF INSTRUCTOR, MATH. 345.
3 HOURS, OR 3/4 OR 1 UNIT

04269	LECT-DISC	9	M W F	110	M E B		SUO

M E 305 THERMODYNAMICS OF HIGH VELOCITY FLOW.
PREREQUISITE--M. E. 206 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04270	LECT-DISC	11	M W F	236	M E B		CHOW

M E 306 INDUSTRIAL HEAT TRANSFER.
PREREQUISITE--UNDERGRADUATE COURSES IN FLUID MECHANICS AND HEAT TRANSFER.
4 HOURS, OR 1 UNIT

04271	LECT-DISC	3-5	TU TH	143A	M E B		ADDY, CLAUSING

M E 309 EXPERIMENTAL GAS DYNAMICS.
PREREQUISITE--M.E. 305 OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

04272	LECT-DISC	1-3	M W	143B	M E B		ADDY, CHOW

M E 311 INSTRUMENTATION AND MEASUREMENTS.
PREREQUISITE--SENIOR STANDING IN MECHANICAL ENGINEERING.
3 HOURS, OR 3/4 OR 1 UNIT

04273	LECT-DISC	8	M W F	35	M E B		STROUT

M E 314 LUBRICATION.
PREREQUISITE--UNDERGRADUATE COURSES IN MACHINE DESIGN AND FLUID MECHANICS.
3 HOURS, OR 3/4 OR 1 UNIT

04274	LECT-DISC	1-3	TU TH	358	M E B		RADZIMOVSKY

M E 332 THEORY OF INTERNAL COMBUSTION ENGINES.
PREREQUISITE--UNDERGRADUATE COURSE IN INTERNAL COMBUSTION ENGINES.
3 HOURS, OR 3/4 OR 1 UNIT

04275	LECT-DISC	10	M W F	135	M E B		HULL

M E 341 ENGINEERING ANALYSIS AND DESIGN.
PREREQUISITE--M E 271, SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04276	LECT-DISC P	8-10	M W F	349	M E B		
04277	LECT-DISC Q	9-12	TU TH	349	M E B		

M E 343 DYNAMICS OF MACHINERY.
PREREQUISITE--M. E. 221 AND SENIOR STANDING OR CONSENT OF INSTRUCTOR
3 HOURS, OR 3/4 OR 1 UNIT

04278	LECT-DISC	8	M W F	343	M E B		BROGHAMER

M E 388 MACHINE TOOL SYSTEMS ANALYSIS.
PREREQUISITE--M E 186, M E 271 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04279	LECT-DISC	1-3	TU TH	236	M E B		TURKOVICH

COURSES FOR GRADUATES

M E 402 IRREVERSIBLE THERMODYNAMICS.
PREREQUISITE--M E 401.
1 UNIT

04280	LECT-DISC	ARR					SOO

M E 405 CONVECTIVE HEAT TRANSFER.
PREREQUISITE--M E 306 OR CONSENT OF INSTRUCTOR.
1 UNIT

04281	LECT-DISC	ARR					

M E 407 SELECTED TOPICS IN GAS DYNAMICS.
PREREQUISITE--M E 404.
1 UNIT

04282	LECT-DISC	9	M F	35	M E B		CHOW
		9-11	W	35	M E B		

M E 408 LABORATORY INVESTIGATIONS IN THERMODYNAMICS.
PREREQUISITE--ONE-YEAR COURSE IN THERMODYNAMICS, ONE HALF-YEAR COURSE IN POWER LABORATORY.
1/2 TO 1 1/2 UNITS
04283 CONF ARR BAIR, JACKSON, SOO

M E 409 LABORATORY INVESTIGATIONS IN FLUID FLOW, HEAT TRANSFER, AND COMBUSTION
PREREQUISITE--COURSES IN THERMODYNAMICS AND FLUID MECHANICS.
1/2 TO 1 1/2 UNITS
04284 CONF ARR ADDY, BAIR, CHOW, CLAUSING, HERING, KORST, SAVAGE, STOECKER

M E 410 THERMAL RADIATION.
PREREQUISITE--M. E. 306 OR CONSENT OF INSTRUCTOR.
1 UNIT
04285 LECT-DISC ARR HERING

M E 423 REFRIGERATION THEORY AND APPLICATION.
PREREQUISITE--UNDERGRADUATE COURSE IN REFRIGERATION.
1 UNIT
04286 LECT-DISC 8-10 TU TH 136 M E B STOECKER

M E 428 LABORATORY INVESTIGATIONS IN REFRIGERATION.
1/2 TO 1 1/2 UNITS
04287 CONF ARR STOECKER

M E 429 LABORATORY INVESTIGATIONS IN HEATING AND AIR CONDITIONING.
PREREQUISITE--TWO SEMESTERS OF POWER LABORATORY OR EQUIVALENT.
1/2 TO 1 1/2 UNITS
04288 CONF ARR BAREITHER, HARRIS, KONZO, STOECKER

M E 438 LABORATORY INVESTIGATIONS IN POWER MACHINERY.
PREREQUISITE--ONE-YEAR COURSE IN POWER LABORATORY.
1/2 TO 1 1/2 UNITS
04289 CONF ARR HEBRANK, HULL, MILES

M E 441 MACHINE DESIGN.
PREREQUISITE--UNDERGRADUATE COURSE IN DYNAMICS OF MACHINES, ONE YEAR OF MACHINE DESIGN.
1 UNIT
04290 CONF 10-12 TU TH 358 M E B RYAN

M E 442 LINKAGE SYNTHESIS.
PREREQUISITE--M.E. 342 OR CONSENT OF INSTRUCTOR.
1 UNIT
04291 LECT-DISC 8-10 TU TH 358 M E B BROGHAMER

M E 448 LABORATORY INVESTIGATIONS IN MACHINE DESIGN.
1/2 TO 1 1/2 UNITS, SUMMER--1 UNIT
04292 CONF ARR ADKINS, BROGHAMER, RYAN, OFFNER

M E 452 DEFORMATION AND MECHANICAL PROCESSING OF METALS.
PREREQUISITE--M. E. 451 AND MET. E. 408.
1 UNIT
04293 LECT-DISC ARR TRIGGER

M E 458 LABORATORY INVESTIGATIONS IN PRODUCTION.
1/2 TO 1 1/2 UNITS
04294 LAB-DISC ARR DOYLE, LEACH, TRIGGER, TURKOVICH

M E 493 SEMINAR.
NO CREDIT
04295 DISC ARR KONZO

M E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
04296 CONF ARR STAFF

MEDIEVAL CIVILIZATION STUDIES PROGRAM

MAJOR--STUDENTS WHO ELECT MEDIEVAL CIVILIZATION AS A MAJOR MUST COMPLETE THE LOWER DIVISION REQUIREMENTS OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES AND FORTY SEMESTER HOURS--WHICH SATISFIES BOTH THE MAJOR AND MINOR REQUIREMENTS--IN COURSES CHOSEN FROM THE FOLLOWING LIST--ARCH. 214, ART 312, CLASS 301, 302, ENGL. 311, 320, HIST. 201, 301, 302, 303, 304, 305, 333, 345, ITAL. 311, 312, LAT. 104, PHIL. 304, SPCH. 361. OTHER COURSES MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ADVISER--ADVANCED READING COURSES IN ANY FOREIGN LANGUAGE OFFERED BY THE UNIVERSITY ARE STRONGLY RECOMMENDED. ADVISER--PROFESSOR DENO GEANAKOPLOS, 353 ARMORY.

METALLURGICAL ENGINEERING

DEPARTMENT OFFICE 201 M M B

COURSES FOR ADVANCED UNDERGRADUATES

MET E 208 PHYSICAL METALLURGY, II.
PREREQUISITE--MET.E. 201 AND 203.
3 HOURS

04297	LECT-DISC		8	M W F	403 M M B	BOHL

MET E 210 PHYSICAL METALLURGY LABORATORY, II.
PREREQUISITE--REGISTRATION IN MET. E. 208.
3 HOURS

04298	LAB	A	9-12	TU TH	212 M M B	SCHUSTER
04299	LAB	B	2-5	TU TH	212 M M B	FORSYTH

MET E 234 METALLURGY FOR ENGINEERS.
PREREQUISITE--CHEM. 104 OR 105, REGISTRATION IN T.A.M. 221.
3 HOURS

04300	LECT-DISC		1	TU TH	305 M M B	WAYMAN
04301	QUIZ	A	9	TU	ARR	
04302	QUIZ	B	10	TU	ARR	

MET E 260 ADVANCED PHYSICAL METALLURGY LABORATORY.
PREREQUISITE--MET.E. 208, 210, CREDIT OR REGISTRATION IN MET.E. 251.
3 HOURS

04303	LAB		1-5	M W	112 M M B	RICKETTS
			1-5	M W	212 M M B	RICKETTS

MET E 294 METALLURGICAL SEMINAR.
PREREQUISITE--SENIOR STANDING IN METALLURGICAL ENGINEERING.
1 HOUR

04304	CONF		10	TU	ARR	STAFF

MET E 295 METALLURGICAL SEMINAR.
PREREQUISITE--SENIOR STANDING IN METALLURGICAL ENGINEERING.
1 HOUR

04305	CONF		10	TH	ARR	STAFF

MET E 299 THESIS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
1 TO 3 HOURS

04306	CONF		&A	ARR						STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MET E 301 METALLURGY OF WELDING.
PREREQUISITE--MET. E. 208 OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT

04307	LECT-DISC		3	M W F	403	M	M	B		BRUCKNER

MET E 302 POWDER METALLURGY.
PREREQUISITE--APPROVAL OF DEPARTMENT, REGISTRATION IN MET. E 304, SENIOR STANDING.
2 HOURS, OR 1/2 OR 3/4 UNIT

04308	LECT-DISC		2	TU TH	305	M	M	B		ECKEL

MET E 304 POWDER METALLURGY LABORATORY.
PREREQUISITE--APPROVAL OF DEPARTMENT, REGISTRATION IN MET. E 302, SENIOR STANDING.
1 HOUR, OR 1/4 UNIT

04309	LAB	A	2-5	F	112	M	M	B		ECKEL
04310	LAB	B	9-12	S	112	M	M	B		ECKEL

MET E 306 DESIGN OF ENGINEERING ALLOYS.
PREREQUISITE--MET.E. 208 AND 311.
3 HOURS, OR 3/4 OR 1 UNIT

04311	LECT-DISC		8	TU TH S	403	M	M	B		FORSYTH

MET E 310 X-RAY METALLOGRAPHY.
PREREQUISITE--PHYCS. 108.
3 HOURS, OR 3/4 UNIT

04312	LECT-DISC		10	TU TH	305	M	M	B		STAFF
04313	LAB	A	2-5	M	401	M	M	B		
04314	LAB	B	1-4	W	401	M	M	B		
04315	LAB	C	2-5	F	401	M	M	B		

MET E 314 METALLURGICAL THERMODYNAMICS.
PREREQUISITE--CREDIT OR REGISTRATION IN CHEM. 246.
3 HOURS, OR 3/4 UNIT

04316	LECT-DISC		1	M W F	403	M	M	B		ALTSTETTER

MET E 316 MECHANICAL METALLURGY.
PREREQUISITE--SENIOR STANDING IN METALLURGICAL ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

04317	LECT-DISC		9	M W F	403	M	M	B		BIRNBAUM

MET E 318 PHYSICS OF METALS.
PREREQUISITE--SENIOR STANDING IN ENGINEERING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

04318	LECT-DISC		10	M W F	305	M	M	B		STAFF

MET E 384 PROPERTIES OF SOLIDS.
PREREQUISITE--PHYCS. 383.
3 HOURS, OR 3/4 UNIT

04319	LECT-DISC	A	9	TU TH S	119	M	M	B		THOMSON
04320	LECT-DISC	B	11	M W F	119	M	M	B		LIEBERMAN

COURSES FOR GRADUATES

MET E 406 ADVANCED PHYSICS OF METALS.
PREREQUISITE--MET. E. 405, OR PHYCS. 385, OR CONSENT OF INSTRUCTOR.
1 UNIT

04321	LECT-DISC		130-3	TU TH	403	M	M	B		STAFF

MET E 408 DISLOCATIONS AND MECHANICAL PROPERTIES OF METALS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
04322 LECT-DISC 2 M W F 403 M M B GILMAN

MET E 410 ADVANCED X-RAY METALLOGRAPHY.
PREREQUISITE--CHEM. 427, OR CONSENT OF INSTRUCTOR.
1 UNIT
04323 LECT-DISC ARR BECK

MET E 421 KINETICS OF PHASE CHANGES IN METALS.
PREREQUISITE--MET.E. 420 OR CONSENT OF INSTRUCTOR.
1 UNIT
04324 LECT-DISC 11 M W F 305 M M B METZGER

MET E 485 METALLURGICAL ENGINEERING PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
04325 CONF ARR

MET E 493 SEMINAR ON ANELASTICITY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT
04326 CONF A 3 M 305 M M B WERT
04327 CONF P 3 W 305 M M B METZGER

MET E 494 SEMINAR ON PHASE TRANSFORMATIONS IN METALS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT
04328 CONF 3 TH 305 M M B READ, WAYMAN

MET E 497 SEMINAR ON ALLOY PHASES.
PREREQUISITE--CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT
04329 CONF 3 TU 305 M M B BECK

MET E 498 COLLOQUIUM IN PHYSICAL METALLURGY.
REQUIRED OF ALL GRADUATE STUDENTS IN METALLURGICAL ENGINEERING.
NO CREDIT
04330 LECT 4 W 119 M M B

MET E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
04331 CONF ARR STAFF

MICROBIOLOGY

DEPARTMENT OFFICE 127 BUR HALL

MAJOR--TWENTY HOURS OF MICROBIOLOGY, INCLUDING EITHER MCBIO. 100 AND 101, OR MCBIO. 200 AND 201. BOT. 210--ZOOL. 210--AND CHEM. 340, 350, AND 355 MAY BE SUBSTITUTED FOR MICROBIOLOGY COURSES TO THE EXTENT OF FIVE HOURS AS PART OF THE MAJOR. QUANTITATIVE AND ORGANIC CHEMISTRY, COLLEGE ALGEBRA, AND TRIGONOMETRY ARE REQUIRED.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ASTRONOMY, BIOLOGY, BOTANY, CHEMISTRY, ENTOMOLOGY, MATHEMATICS, PHYSICS, PHYSIOLOGY, AND ZOOLOGY. NO COURSE MAY APPLY TO BOTH THE MAJOR AND THE MINOR.

COURSES FOR UNDERGRADUATES

MCBIO 100 INTRODUCTORY MICROBIOLOGY.
3 HOURS
04332 LECT 2 M W F 151 E E B MCCAMISH

MCBIO 101 INTRODUCTORY EXPERIMENTAL MICROBIOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN MCBIO. 100.
2 HOURS

04333	LAB	A	8-10	M W	242	BUR HALL		MCCAMISH, HOLM
04334	LAB	B	3-5	M W	242	BUR HALL		AND ASSISTANTS
04335	LAB	C	10-12	TU TH	242	BUR HALL		
04336	LAB	D	1-3	TU TH	242	BUR HALL		

COURSES FOR ADVANCED UNDERGRADUATES

MCBIO 200 MICROBIOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN ORGANIC CHEMISTRY.
3 HOURS

04337	LECT	11	M W F	229	N H B		

MCBIO 201 EXPERIMENTAL MICROBIOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN MCBIO. 100 OR 200 AND IN ORGANIC CHEMISTRY.
2 HOURS

04338	LAB	3-5	M W F	202	BUR HALL		

MCBIO 207 RESEARCH AND SPECIAL PROBLEMS.
PREREQUISITE--FIFTEEN HOURS OF MICROBIOLOGY, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 10 HOURS.
*3 TO 5 HOURS

04339	LAB-DISC	GA	ARR		BUR HALL		STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MCBIO 311 FOOD AND INDUSTRIAL MICROBIOLOGY.
PREREQUISITE--MCBIO. 101 OR 201 OR 309 OR EQUIVALENT AND CREDIT OR REGISTRATION IN ORGANIC CHEMISTRY, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

04340	LECT	9	M W F	119	M M B		CLARK, AND HALVORSON

MCBIO 312 TECHNIQUES OF APPLIED MICROBIOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN MCBIO. 311.
2 HOURS, OR 1/2 UNIT

04341	LAB	10-12	M W F	202	BUR HALL		CLARK AND ASSISTANTS

MCBIO 327 IMMUNOLOGY AND SEROLOGY.
PREREQUISITE--ORGANIC CHEMISTRY AND MCBIO. 101 OR 201, OR 309.
5 HOURS, [illegible]

04342	LECT	10	TU TH	140	BUR HALL		NISONOFF
		11	S	140	BUR HALL		
04342	LAB	1-4	TU TH	202	BUR HALL		NISONOFF AND ASSISTANTS

MCBIO 351 VIRUSES.
PREREQUISITE--ORGANIC CHEMISTRY.
3 HOURS, OR 3/4 UNIT

04344	LECT	11	M W F	140	BUR HALL		

COURSES FOR GRADUATES

MCBIO 420 CHEMISTRY OF MICROBIC PROCESSES.
PREREQUISITE--MCBIO. 309 OR 330 AND CHEM. 234 AND 350, OR EQUIVALENT AND CONSENT OF INSTRUCTOR.
3/4 UNIT
*ONE HOUR TO BE ARRANGED.

04345	LECT	8	TU TH	140	BUR HALL		DEMOSS

MCBIO 430 BIOLOGICAL ULTRASTRUCTURE.
SAME AS ENTOM., PHYSL., AND ZOOL. 430.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

04346	LECT	10	M W F	140	BUR HALL		HALL

MCBIO 490 INDIVIDUAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR
1/2 TO 2 UNITS

04347	LAB-DISC	ARR				BUR HALL	STAFF

MCBIO 495 SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS WHOSE MAJOR IS MICROBIOLOGY.
PREREQUISITE--TEN HOURS OF MICROBIOLOGY, CONSENT OF INSTRUCTOR.
0 OR 1/4 UNIT

04348	CONF	4		TH	124	BUR HALL	STAFF

MCBIO 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

04349	LAB-DISC	ARR				BUR HALL	STAFF

MILITARY SCIENCE

DEPARTMENT OFFICE 110 ARMORY

BASIC MILITARY CURRICULUM

ENTERING MALE STUDENTS WHO ARE PHYSICALLY QUALIFIED AND WHO HAVE BEEN SELECTED FOR ENROLLMENT MUST, IN ADDITION TO REQUIRED MILITARY SCIENCE COURSES, REGISTER IN EITHER A NATURAL SCIENCE OR SOCIAL SCIENCE GENERAL EDUCATION SEQUENCE ACCEPTABLE TO THE MILITARY SCIENCE DEPARTMENT AND THE STUDENTS COLLEGE.

COMMON COURSES

MIL S 100 LEADERSHIP LABORATORY.
PREREQUISITE--APPROVAL OF THE PROFESSOR OF MILIARY SCIENCE.
FIELD TRIP MAY BE REQUIRED.
NO CREDIT
ATTENDANCE AT TWO CEREMONIES IS REQUIRED.
TIME AND DATE OF CEREMONIES TO BE ANNOUNCED.

04350	LAB	A	10	M	ARMORY FLOOR		MURRAY AND
04351	LAB	B	11	TU	ARMORY FLOOR		STAFF
04352	LAB	C	1	TU	ARMORY FLOOR		
04353	LAB	D	1	W	ARMORY FLOOR		
04354	LAB	E	2	TH	ARMORY FLOOR		
04355	LAB	F	8	F	ARMORY FLOOR		

COURSES FOR UNDERGRADUATES

MIL S 101 INTRODUCTION TO MILITARY SCIENCE.
PREREQUISITE--APPROVAL OF PROFESSOR OF MILITARY SCIENCE, CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION, NATURAL OR SOCIAL SCIENCE SEQUENCE.
1 HOUR

04356	LECT-DISC	A	9	M	182	ARMORY	MURRAY AND
04357	LECT-DISC	B	9	TU	182	ARMORY	STAFF
04358	LECT-DISC	C	10	W	182	ARMORY	
04359	LECT-DISC	D	10	TH	182	ARMORY	
04360	LECT-DISC	E	9	F	182	ARMORY	

MIL S 102 MILITARY MAP AND AERIAL PHOTOGRAPH ANALYSIS.
CREDIT OR REGISTRATION IN MIL S 101, CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION, NATURAL OR SOCIAL SCIENCE SEQUENCE.
1 HOUR

04361	LECT-DISC	A	9	M	172	ARMORY	DEGRAW, MORT
04362	LECT-DISC	B	1	M	172	ARMORY	AND RAWLS
04363	LECT-DISC	C	2	M	172	ARMORY	
04364	LECT-DISC	D	9	TU	172	ARMORY	
04365	LECT-DISC	E	11	TU	172	ARMORY	
04366	LECT-DISC	F	1	TU	172	ARMORY	
04367	LECT-DISC	G	2	TU	172	ARMORY	
04368	LECT-DISC	H	8	W	172	ARMORY	
04369	LECT-DISC	I	1	W	172	ARMORY	
04370	LECT-DISC	J	2	W	172	ARMORY	
04371	LECT-DISC	K	8	TH	172	ARMORY	
04372	LECT-DISC	L	9	TH	172	ARMORY	
04373	LECT-DISC	M	10	TH	172	ARMORY	
04374	LECT-DISC	N	11	TH	172	ARMORY	
04375	LECT-DISC	O	2	TH	172	ARMORY	
04376	LECT-DISC	P	9	F	172	ARMORY	

MIL S 103 INTRODUCTION TO TACTICS.
PREREQUISITE--CREDIT OR REGISTRATION IN MIL S 102, AND CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION, NATURAL OR SOCIAL SCIENCE SEQUENCE.
1 HOUR

04377	LECT-DISC	A	8	M	313	ARMORY	AUSTIN, DEGRAW
04378	LECT-DISC	B	9	M	313	ARMORY	AND PULHAM
04379	LECT-DISC	C	11	M	313	ARMORY	
04380	LECT-DISC	D	1	M	313	ARMORY	
04381	LECT-DISC	E	3	M	313	ARMORY	
04382	LECT-DISC	F	10	TU	313	ARMORY	
04383	LECT-DISC	G	11	TU	313	ARMORY	
04384	LECT-DISC	H	2	TU	313	ARMORY	
04385	LECT-DISC	I	3	TU	313	ARMORY	
04386	LECT-DISC	J	9	W	313	ARMORY	
04387	LECT-DISC	K	10	W	313	ARMORY	
04388	LECT-DISC	L	2	W	313	ARMORY	
04389	LECT-DISC	M	3	W	313	ARMORY	
04390	LECT-DISC	N	9	TH	313	ARMORY	
04391	LECT-DISC	O	11	TH	313	ARMORY	
04392	LECT-DISC	P	1	TH	313	ARMORY	
04393	LECT-DISC	Q	2	TH	313	ARMORY	
04394	LECT-DISC	R	3	TH	313	ARMORY	
04395	LECT-DISC	S	8	F	313	ARMORY	
04396	LECT-DISC	T	10	F	313	ARMORY	

SECOND YEAR STUDENTS SELECTED FOR CONTINUATION MUST, IN ADDITION TO THE REQUIRED MILITARY SCIENCE COURSES, REGISTER IN EITHER A NATURAL SCIENCE OR SOCIAL SCIENCE GENERAL EDUCATION SEQUENCE ACCEPTABLE TO THE MILITARY SCIENCE DEPARTMENT AND THE STUDENTS COLLEGE.

MIL S 111 PRINCIPLES OF MILITARY LEADERSHIP.
PREREQUISITE--MIL S 103, CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION, NATURAL OR SOCIAL SCIENCE SEQUENCE.
1 HOUR

04397	LECT-DISC	A	9	M	183	ARMORY	JENSEN, PULHAM
04398	LECT-DISC	B	2	M	173	ARMORY	
04399	LECT-DISC	C	8	TU	173	ARMORY	
04400	LECT-DISC	D	10	TU	172	ARMORY	
04401	LECT-DISC	E	2	TU	183	ARMORY	
04402	LECT-DISC	F	10	W	173	ARMORY	
04403	LECT-DISC	G	1	W	173	ARMORY	
04404	LECT-DISC	H	9	TH	182	ARMORY	
04405	LECT-DISC	I	11	TH	173	ARMORY	
04406	LECT-DISC	J	2	TH	183	ARMORY	

MIL S 112 AMERICAN MILITARY HISTORY.
PREREQUISITE--MIL S 103, CONCURRENT ENROLLMENT IN MIL S 100, REGISTRATION IN APPROVED GENERAL EDUCATION, NATURAL OR SOCIAL SCIENCE SEQUENCE.
2 HOURS

04407	LECT-DISC	A	11	M W	183	ARMORY	HOEFERKAMP
04408	LECT-DISC	B	1	M W	183	ARMORY	AND SHIELL
04409	LECT-DISC	C	8	TU TH	183	ARMORY	
04410	LECT-DISC	D	9	TU TH	183	ARMORY	
04411	LECT-DISC	E	10	TU TH	183	ARMORY	
04412	LECT-DISC	F	1	TU TH	183	ARMORY	
04413	LECT-DISC	G	8	W F	183	ARMORY	
04414	LECT-DISC	H	10	W F	183	ARMORY	

ADVANCED MILITARY CURRICULUM

SELECTED MALE STUDENTS WHO HAVE COMPLETED THE BASIC MILITARY COURSE OR ITS EQUIVALENT, AND WHO HAVE SATISFACTORILY PASSED PHYSICAL AND SCREENING EXAMINATIONS MAY APPLY FOR ENROLLMENT IN THE ADVANCED MILITARY CURRICULUM. EACH ADVANCED MILITARY CURRCIULUM STUDENT IS PAID A SUBSISTENCE ALLOWANCE. HE MUST ATTEND ROTC SUMMER TRAINING CAMP BETWEEN HIS FIRST AND SECOND YEAR IN THE ADVANCED PROGRAM. SUCCESSFUL COMPLETION OF THE CURRICULUM BY SELECTED STUDENTS NORMALLY RESULTS IN A COMMISSION AS A SECOND LIEUTENANT, U. S. ARMY RESERVE. SELECTED STUDENTS MEETING THE REQUIREMENTS MAY BE COMMISSIONED IN THE REGULAR ARMY.

STUDENTS ENROLLED IN THE REQUIRED MILITARY SCIENCE COURSES MUST, IN ADDITION, ENROLL IN THE THIRD AND IN THE FOURTH YEAR IN AN APPROVED COURSE OF ANOTHER DEPARTMENT. SELECTION OF THESE COURSES MUST BE APPROVED BY THE MILITARY SCIENCE DEPARTMENT ADVISOR AND BE ACCEPTABLE TO THE STUDENTS MAJOR DEPARTMENT.

COURSES FOR ADVANCED UNDERGRADUATES

MIL S 201 PRINCIPLES OF MILITARY INSTRUCTION.
PREREQUISITE--APPROVAL OF PROFESSOR OF MILITARY SCIENCE, MIL S 111 AND 112 OR EQUIVALENT, CONCURRENT ENROLLMENT IN MIL S 100.
1 HOUR

04415	LECT-DISC	A	11	TU	173	ARMORY	REICHEL
04416	LECT-DISC	B	2	TU	182	ARMORY	
04417	LECT-DISC	C	9	W	183	ARMORY	
04418	LECT-DISC	D	8	TH	173	ARMORY	
04419	LECT-DISC	E	10	TH	300	ARMORY	
04420	LECT-DISC	F	11	F	173	ARMORY	

MIL S 202 INTRODUCTORY MILITARY OPERATIONS.
PREREQUISITE--APPROVAL OF PROFESSOR OF MILITARY SCIENCE, MIL S 111 AND 112 OR EQUIVALENT, CONCURRENT ENROLLMENT IN MIL S 100.
3 HOURS

04421	LECT-DISC	A	8	M W F	300	ARMORY	CORONEOS
04422	LECT-DISC	B	9-11	TU	300	ARMORY	
		B	9	TH	300	ARMORY	
04423	LECT-DISC	C	1	TU	300	ARMORY	
		C	1-3	TH	300	ARMORY	
04424	LECT-DISC	D	3	MTU TH	300	ARMORY	

MIL S 210 MILITARY LAW.
PREREQUISITE--MIL S 202 AND CONCURRENT ENROLLMENT IN MIL S 100.
1 HOUR

04425	LECT-DISC	A	9	TU	173	ARMORY	RYAN
04426	LECT-DISC	B	3	TU	173	ARMORY	
04427	LECT-DISC	C	2	TH	173	ARMORY	
04428	LECT-DISC	D	3	TH	182	ARMORY	

MIL S 211 PROSEMINAR.
PREREQUISITE--CREDIT OR REGISTRATION IN MIL. SCI. 210, CONCURRENT ENROLLMENT IN MIL. SCI. 100.
1 HOUR

04429	LECT-DISC	A	10	M	173	ARMORY		STAFF
04430	LECT-DISC	B	3	M	173	ARMORY		
04431	LECT-DISC	C	9	TU	ARR			
04432	LECT-DISC	D	11	TU	163	ARMORY		
04433	LECT-DISC	E	2	TU	300	ARMORY		
04434	LECT-DISC	F	1	W	182	ARMORY		
04435	LECT-DISC	G	10	TH	313	ARMORY		
04436	LECT-DISC	H	1	TH	172	ARMORY		
04437	LECT-DISC	I	3	TH	183	ARMORY		
04438	LECT-DISC	J	9	F	183	ARMORY		

MIL S 212 ADVANCED MILITARY OPERATIONS.
PREREQUISITE--MIL S 202 AND CONCURRENT ENROLLMENT IN MIL S 100.
3 HOURS

04439	LECT-DISC	A	12	M W F	173	ARMORY		FRENCH
04440	LECT-DISC	B	10	TU	173	ARMORY		
		B	9-11	TH	173	ARMORY		
04441	LECT-DISC	C	1-3	TU	173	ARMORY		
		C	1	TH	173	ARMORY		

MIL S 213 ADVANCED ARMOR OPERATIONS.
PREREQUISITE--MIL. SCI. 226 AND CONCURRENT ENROLLMENT IN MIL. SCI. 100.
3 HOURS

04442	LECT-DISC	A	9	M W F	173	ARMORY		
04443	LECT-DISC	B	10-12	TU	182	ARMORY		
		B	11	TH	182	ARMORY		

MIL S 214 ADVANCED ARTILLERY OPERATIONS.
PREREQUISITE--MIL S 266 AND CONCURRENT ENROLLMENT IN MIL S 100.
3 HOURS

04444	LECT-DISC	A	10	M W F	172	ARMORY		
04445	LECT-DISC	B	11	TU	366	ARMORY		
		B	11-1	TH	300	ARMORY		

MIL S 215 ADVANCED ENGINEER OPERATIONS.
PREREQUISITE-- MIL. SCI. 236 AND CONCURRENT ENROLLMENT IN MIL. SCI. 100.
3 HOURS

04446	LECT-DISC		ARR					

MIL S 216 ADVANCED INFANTRY OPERATIONS.
PREREQUISITE--MIL. SCI. 206 AND CONCURRENT ENROLLMENT IN MIL. SCI. 100.
3 HOURS

04447	LECT-DISC	A	9	M W F	300	ARMORY		
04448	LECT-DISC	B	1	TU	182	ARMORY		
		B	1-3	TH	182	ARMORY		

MIL S 217 ADVANCED ORDNANCE OPERATIONS.
PREREQUISITE--MIL. SCI. 296 AND CONCURRENT ENROLLMENT IN MIL. SCI. 100.
3 HOURS

04449	LECT-DISC	A	8	M W F	162	ARMORY		
04450	LECT-DISC	B	8-10	TU	313	ARMORY		
		B	8	TH	313	ARMORY		

MIL S 218 ADVANCED QUARTERMASTER OPERATIONS.
PREREQUISITE--MIL. SCI. 246 AND CONCURRENT ENROLLMENT IN MIL. SCI. 100.
3 HOURS

04451	LECT-DISC	A	10	M W F	300	ARMORY		
04452	LECT-DISC	B	11	M W F	300	ARMORY		

MIL S 219 ADVANCED SIGNAL OPERATIONS.
PREREQUISITE--MIL. SCI. 246 AND CONCURRENT ENROLLMENT IN MIL. SCI. 100.
3 HOURS

04453	LECT-DISC		ARR					

MINING ENGINEERING

DEPARTMENT OFFICE 201 M M B

COURSES FOR ADVANCED UNDERGRADUATES

MIN E 242 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 OR 2 HOURS
04454 DISC &A ARR STAFF

MIN E 257 PHYSICAL PROPERTIES OF ROCKS.
PREREQUISITE--T.A.M. 223, 232, REGISTRATION IN MIN. E. 351.
1 HOUR
04455 LAB ARR MIN LAB STAFF

MIN E 299 THESIS.
PREREQUISITE--APPROVAL OF HEAD OF DEPARTMENT.
1 TO 3 HOURS
04456 CONF &A ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MIN E 301 MINERAL PROCESSING, II.
PREREQUISITE--MIN.E. 272.
3 HOURS, OR 3/4 UNIT
04457 LECT-DISC A 1 ARR
04457 LAB A 2-5 TU 151 MIN LAB STREET

MIN E 302 WORLD MINERAL ECONOMICS.
PREREQUISITE--SENIOR STANDING.
3 HOURS, OR 3/4 OR 1 UNIT
04458 LECT-DISC A 1 M W F 305 M M B RISSER

MIN E 351 GEOPHYSICAL PROSPECTING.
SAME AS GEOL. 351.
PREREQUISITE--SENIOR STANDING IN ENGINEERING OR GEOLOGY, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
04459 LECT-DISC 9 M W F 305 M M B DE WITTE

MIN E 356 ROCK MECHANICS.
PREREQUISITE--MIN.E. 257, MIN.E. 351.
3 HOURS, OR 3/4 OR 1 UNIT
04460 LECT-DISC 11 M W F 403 M M B WRIGHT

MIN E 360 ANALYSIS AND DESIGN OF THE MINING SYSTEM.
PREREQUISITE--MATH. 263, CREDIT OR REGISTRATION IN MIN.E. 356.
4 HOURS, OR 1 UNIT
04461 LECT-DISC 8 MTUWTH 305 M M B STAFF

MIN E 396 SEMINAR.
PREREQUISITE--SENIOR STANDING.
1 HOUR, OR 1/4 UNIT
04462 DISC 9 TU 403 M M B STREET

COURSES FOR GRADUATES

MIN E 401 ADVANCED MINERAL DRESSING AND COAL PREPARATION.
1 UNIT
04463 LECT-DISC ARR STREET

MIN E 402 MINE VALUATION, TAXATION, AND MINERAL ECONOMICS.
1 UNIT
04464 LECT-DISC ARR WRIGHT

MIN E 403 ADVANCED MINE ADMINISTRATION.
1 UNIT
04465 LECT-DISC 2 M W F 305 M M B WRIGHT

MIN E 406 DESIGN OF UNDERGROUND OPENINGS.
PREREQUISITE--MIN. E. 356.
1 UNIT
04466 LECT-DISC ARR WRIGHT

MIN E 497 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS, SUMMER -- 1 UNIT
04467 CONF ARR STAFF

MIN E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
04468 CONF ARR STAFF

MODERN GREEK

DEPARTMENT OFFICE 120A DAVENPORT HOUSE

COURSES FOR ADVANCED UNDERGRADUATES

M GRK 202 ELEMENTARY MODERN GREEK, II.
ALL STUDENTS ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
PREREQUISITE--M. GRK. 201.
3 HOURS
04469 LECT-DISC 11 M W F 154 ADMIN KAZAZIS

MUSIC

DEPARTMENT OFFICE 100 S M H

COURSES FOR UNDERGRADUATES

MUSIC 100 RUDIMENTS OF THEORY.
2 HOURS
04470 LECT-DISC A 9 M W F 104 1203 W NEV PAINTER
04471 LECT-DISC B 1 M W F 103 S M H KLEINSTEUBER

MUSIC 101 THEORY OF MUSIC, I.
FOR NON-MUSIC STUDENTS.
PREREQUISITE--MUSIC 100 OR EQUIVALENT.
3 HOURS
04472 LECT-DISC A 3 MTUWTHF 116 1203 W NEV

MUSIC 102 THEORY OF MUSIC, II.
PREREQUISITE--MUSIC 101.
3 HOURS
*STUDENTS REGISTERING IN SECTIONS A OR C MUST CHOOSE A HALF-HOUR LABORATORY SESSION TO MEET AT 8, 8.30, 9, 9.30, 1, 1.30, 2 OR 2.30 DAILY, ROOM 306 STIVEN HOUSE.

04478	LECT-DISC	*A	8	M W F	103	S M H	KADERAVEK
04473	LECT-DISC	B	8	M W F	106	S M H	
04479	LECT-DISC	*C	9	M W F	103	S M H	FARRELL
04474	LECT-DISC	D	9	M W F	106	S M H	LUSTIG
04475	LECT-DISC	E	1	M W F	8	S A	JOHNSTON
04476	LECT-DISC	F	2	M W F	106	S M H	GABURO
04477	LECT-DISC	G	3	M W F	106	S M H	KELLY

MUSIC 103 THEORY OF MUSIC, III.
PREREQUISITE--MUSIC 102.
3 HOURS

04480	LECT-DISC	A	3	M W F	103	S M H	KLEINSTEUBER

MUSIC 104 THEORY OF MUSIC, IV.
PREREQUISITE--MUSIC 103.
3 HOURS

04481	LECT-DISC	A	8	M W F	8	S A	DAPOGNY
04482	LECT-DISC	B	9	M W F	8	S A	BRUN
04483	LECT-DISC	C	9	M W F	102	S H	HUNTER
04484	LECT-DISC	D	1	M W F	106	S M H	FREDRICKSON
04485	LECT-DISC	E	2	M W F	8	S A	THOMAS
04486	LECT-DISC	F	3	M W F	8	S A	MARTIRANO

MUSIC 106 COMPOSITION.
PREREQUISITE--QUALIFYING EXAMINATION IN COMPOSITION, TO BE ADMINISTERED BY THE THEORY-COMPOSITION FACULTY.
2 HOURS, SUMMER--2, 3, OR 4 HOURS

04487	CONF	A	ARR	201	T A	BINKERD
04488	CONF	B	ARR	203	T A	FREDRICKSON
04489	CONF	C	ARR	305	S H	JOHNSTON
04490	CONF	D	ARR	202	T A	KELLY
04491	CONF	E	ARR	200	T A	MARTIRANO
04492	CONF	G	ARR	206	T A	GABURO

MUSIC 107 EAR TRAINING, SIGHT SINGING, AND KEYBOARD HARMONY, I.
PREREQUISITE--MUSIC 101.
1 HOUR

04493	LAB-DISC	A	8	TU TH	103	S M H	KADERAVEK
04494	LAB-DISC	B	8	TU TH	106	S M H	
04495	LAB-DISC	C	9	TU TH	103	S M H	FARRELL
04496	LAB-DISC	D	9	TU TH	106	S M H	LUSTIG
04497	LAB-DISC	E	1	TU TH	8	S A	JOHNSTON
04498	LAB-DISC	F	2	TU TH	106	S M H	GABURO
04499	LAB-DISC	G	3	TU TH	106	S M H	KELLY

MUSIC 108 EAR TRAINING, SIGHT SINGING, AND KEYBOARD HARMONY, II.
PREREQUISITE--MUSIC 107.
1 HOUR

04500	LAB-DISC	A	3	TU TH	103	S M H	KLEINSTEUBER

MUSIC 109 EAR TRAINING, SIGHT SINGING AND KEYBOARD HARMONY, III.
PREREQUISITE--MUSIC 108.
1 HOUR

04501	LAB-DISC	A	8	TU TH	8	S A	DAPOGNY
04502	LAB-DISC	B	9	TU TH	8	S A	BRUN
04503	LAB-DISC	C	9	TU TH	102	S H	HUNTER
04504	LAB-DISC	D	1	TU TH	106	S M H	FREDRICKSON
04505	LAB-DISC	E	2	TU TH	8	S A	THOMAS
04506	LAB-DISC	F	3	TU TH	8	S A	MARTIRANO

MUSIC 110 BASIC MUSIC LITERATURE.
REQUIRED OF FRESHMEN IN MUSIC.
2 HOURS
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

04507	LECT		10	M W	25	S M H	
04508	QUIZ	A	3	TU TH	104	1203 W NEV	
04509	QUIZ	B	7PM	TU TH	106	S M H	
04510	QUIZ	C	3	M W	104	1203 W NEV	

MUSIC 115 INTRODUCTION TO OPERA.
PREREQUISITE--SOPHOMORE STANDING.
2 HOURS

04511	LECT-DISC	A	2	M W	25	S M H		ZIRNER

MUSIC 130 INTRODUCTION TO THE ART OF MUSIC, I.
FOR NON-MUSIC STUDENTS ONLY.
3 HOURS
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

04512	LECT		2	TU TH	25	S M H	
04513	QUIZ	A	4	M W	106	S M H	
04514	QUIZ	B	7PM	TU TH	104	1203 W NEV	
04515	QUIZ	C	11	M W	106	S M H	
04516	QUIZ	D	4	TU TH	104	1203 W NEV	
04517	QUIZ	E	11	M W	103	S M H	

MUSIC 131 INTRODUCTION TO THE ART OF MUSIC, II.
FOR NON-MUSIC STUDENTS ONLY.
PREREQUISITE--MUSIC 130.
3 HOURS
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

04518	LECT		1	TU TH	25	S M H	
04519	QUIZ	A	7PM	M W	104	1203 W NEV	
04520	QUIZ	B	11	TU TH	104	1203 W NEV	
04521	QUIZ	C	11	M W	104	1203 W NEV	

MUSIC 140 RECREATIONAL MUSIC.
REQUIRED FOR STUDENTS MAJORING IN RECREATION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS

04522	LECT-DISC	A	10-12	TU TH	116	1203 W NEV		OMER

MUSIC 142 ELEMENTS OF CONDUCTING.
PREREQUISITE--SOPHOMORE STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
2 HOURS

04523	LECT-DISC	A	9	M W F	25	S M H		DUKER
04524	LECT-DISC	B	10	M W F	103	S M H		PAINTER

COURSES FOR ADVANCED UNDERGRADUATES

MUSIC 200 INSTRUMENTATION, I.
PREREQUISITE--SENIOR STANDING IN MUSIC.
2 HOURS

04525	LECT-DISC	A	10	TU TH	8	S A		PAINTER

MUSIC 201 INSTRUMENTATION, II.
REQUIRED OF COMPOSITION MAJORS.
PREREQUISITE--MUSIC 200 OR CONSENT OF INSTRUCTOR.
2 HOURS

04526	CONF	A	ARR		201	T A		BINKERD AND COMPOSITION FACULTY

MUSIC 206 MUSICAL COMPOSITION FOR DANCE.
PREREQUISITE--P.E.W. 210 AND/OR CONSENT OF INSTRUCTOR.
2 HOURS

04527	LECT-DISC	A	1	M W F	10	W GYM		A THOMAS
04528	LAB-DISC	A	10	TU TH	1	S H		KLEINSTEUBER

MUSIC 214 THE HISTORY OF MUSIC, II.
REQUIRED OF SOPHOMORES IN MUSIC.
PREREQUISITE--MUSIC 213.
3 HOURS
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

04529	LECT		1	M W F	25	S M H		MACDONALD
04530	QUIZ	A	7PM	M W	103	S M H		
04531	QUIZ	B	7PM	TU TH	103	S M H		
04532	QUIZ	C	4	M W	103	S M H		
04533	QUIZ	D	3	M W	201	H A		

MUSIC 229 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

04534	CONF	A	ARR		102	H A		RINGER
04535	CONF	B	ARR		201	T A		BINKERD

MUSIC 231 CHORAL LITERATURE AND CONDUCTING, II.
PREREQUISITE--MUSIC 230.
2 HOURS

04536	LAB-DISC	A	10	M W F	106	S M H		DECKER
		A	11	M F	25	S M H		
04537	LAB-DISC	B	10	M W F	306	S M H		E THOMAS
		B	11	M F	25	S M H		

MUSIC 233 INSTRUMENTAL LITERATURE AND CONDUCTING, II.
PREREQUISITE--MUSIC 142.
2 HOURS

04538	LAB-DISC	A	3	M W F	5	S M H		PAINTER
		A	4	F	5	S M H		

MUSIC 240 MUSIC FOR ELEMENTARY TEACHERS, I.
PREREQUISITE--JUNIOR STANDING IN ELEMENTARY EDUCATION OR CONSENT OF INSTRUCTOR. REQUIRED FOR STATE ELEMENTARY SCHOOL CERTIFICATE BUT NO CREDIT GRANTED IN SCHOOL OF MUSIC.
3 HOURS
STUDENTS MUST REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

04539	LECT		9	S	25	S M H		BERGETHON
04540	QUIZ	A	11	W F	100	S H		
04541	QUIZ	B	11	W F	102	S H		
04542	QUIZ	C	4	W F	100	S H		
04543	QUIZ	D	4	W F	102	S H		
04544	QUIZ	E	4	M W	1	S H		

MUSIC 241 MUSIC FOR ELEMENTARY TEACHERS, II.
PREREQUISITE--MUSIC 240. REQUIRED FOR STATE ELEMENTARY SCHOOL CERTIFICATE BUT NO CREDIT GRANTED IN SCHOOL OF MUSIC.
3 HOURS
STUDENTS WILL REGISTER FOR THE LECTURE AND ONE QUIZ SECTION.

04545	LECT		10	S	25	S M H		BERGETHON
04546	QUIZ	A	8	W F	100	S H		
04547	QUIZ	B	8	W F	102	S H		
04548	QUIZ	C	3	W F	100	S H		
04549	QUIZ	D	3	W F	102	S H		
04550	QUIZ	E	12	W F	102	S H		

MUSIC 242 TEACHING MUSIC IN THE ELEMENTARY SCHOOL.
PREREQUISITE--JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
3 HOURS

04551	LECT-DISC	A	2	MTUW F	104	1203 W NEV		V WILSON

MUSIC 243 TEACHING MUSIC IN THE JUNIOR HIGH SCHOOL.
PREREQUISITE--JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
3 HOURS

04552	LECT-DISC	A	2	M W F	116	1203 W NEV		LEONHARD

MUSIC 244 TEACHING OF INSTRUMENTAL MUSIC.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

04553	LAB-DISC	A	2	MTUWTHF	5	S M H		COLWELL
		A	4	M	5	S M H		

MUSIC 245 CHORAL ARRANGING.
PREREQUISITE--JUNIOR STANDING IN MUSIC.
2 HOURS

04554	LECT-DISC	A	1	TU TH	102	S H		

MUSIC 246 TEACHING OF CHORAL MUSIC.
PREREQUISITE--JUNIOR STANDING IN MUSIC EDUCATION OR CONSENT OF INSTRUCTOR.
2 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

04555	LECT-DISC	A	3	M WTHF	25	S M H			KIRK
		A	11	M F	25	S M H			

MUSIC 249 BASIC MUSICIANSHIP FOR PRE-SCHOOL TEACHERS, II.
PREREQUISITE--MUSIC 248.
3 HOURS

04556	LAB-DISC	A	1-3	TU TH	116	1203 W NEV			R SMITH

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 301 FUGUE.
PREREQUISITE--MUSIC 300 AND/OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04557	LECT-DISC	A	1	M W F	102	S H			MARTIRANO
04558	LECT-DISC	B	2	M W F	102	S H			GABURO
04559	LECT-DISC	C	2	M W F	100	S H			FREDRICKSON

MUSIC 303 MUSICAL ACOUSTICS, II.
PREREQUISITE--MUSIC 302 AND/OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

07064	LAB-DISC	A	2	TU TH	301	S H			HILLER, JOHNSTON

MUSIC 305 ANALYTICAL TECHNIQUES, II.
PREREQUISITE--MUSIC 304 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04560	LECT-DISC	A	2	TU TH	1[illegible]	S H			A THOMAS

MUSIC 306 COMPOSITION.
PREREQUISITE--MUSIC 104 OR 106 OR CONSENT OF INSTRUCTOR.
2 TO 4 HOURS, OR 1/2 OR 1 UNIT

04561	CONF	A	ARR		201	T A			BINKERD
04562	CONF	B	ARR		203	T A			FREDRICKSON
04563	CONF	C	ARR		305	S H			JOHNSTON
04564	CONF	D	ARR		202	T A			KELLY
04565	CONF	E	ARR		200	T A			MARTIRANO
04566	CONF	G	ARR		206	T A			GABURO

MUSIC 311 MUSIC IN THE RENAISSANCE.
PREREQUISITE--MUSIC 131 OR 214 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04567	LECT-DISC	A	9	M W F	201	H A			HAMM

MUSIC 313 MUSIC OF THE NINETEENTH AND TWENTIETH CENTURIES.
PREREQUISITE--MUSIC 131 OR 214 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04568	LECT-DISC	A	10	M W F	104	1203 W NEV			MACDONALD

MUSIC 315 CONTEMPORARY MUSIC.
PREREQUISITE--JUNIOR STANDING AND/OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

04569	LECT-DISC	A	2	M W F	201	H A			

MUSIC 317 MUSICAL CULTURES OF THE WORLD, II.
PREREQUISITE--MUSIC 316 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04570	LECT-DISC	A	1	M W F	101	H A			NETTL

MUSIC 319 HISTORY OF PERFORMANCE PRACTICES, II.
PREREQUISITE--SENIOR STANDING IN MUSIC THEORY AND MUSIC HISTORY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04571	LECT-DISC	A	1	TU TH	103	S M H			HUNTER

MUSIC 330 APPLIED MUSIC PEDAGOGY.
PREREQUISITE--JUNIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 4 HOURS, OR 1 UNIT
*2 HOURS, OR 1/2 UNIT
*SECTION-A-IS FOR PIANO MAJORS. SECTION-B-IS FOR STRING MAJORS.
SECTION-C-IS FOR VOICE MAJORS.

04572	LAB-DISC	A	3-5	W	200A	S M H		LYKE
04573	LAB-DISC	B	4-6	TH	202	S A		ROLLAND
04574	LAB-DISC	C	ARR		210	S H		MILLER, G WILSON

MUSIC 333 CHURCH MUSIC TECHNIQUES.
PREREQUISITE--MUSIC 332 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

04575	LECT-DISC	A	7-9PM	M	200	S M H		HAMILTON

MUSIC 335 THE MUSIC OF AMERICA, II.
PREREQUISITE--SENIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

04576	LECT-DISC	A	1	M W F	201	H A		HAMM

MUSIC 341 ADVANCED INSTRUMENTAL ADMINISTRATION.
PREREQUISITE--ADVANCED UNDERGRADUATE OR GRADUATE WITH MAJOR WORK OR EXPERIENCE IN BAND OR ORCHESTRA.
4 HOURS, OR 1 UNIT
*ONE ADDITIONAL HOUR TO BE ARRANGED

04577	LECT-DISC	A	9-11	M W	228	BAND		

MUSIC 342 PERCUSSION METHODS.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN MUSIC EDUCATION, AND MUSIC 174 AND 257 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT

04578	CONF	A	3	MTUWTHF	6	S M H		MCKENZIE

MUSIC 345 TEACHING TECHNIQUES OF MUSIC THEORY.
PREREQUISITE--MUSIC 300 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

04579	LECT-DISC	A	2	M W	103	S M H		CARTER

COURSES FOR GRADUATES

MUSIC 401 ADVANCED INSTRUMENTATION-BAND.
PREREQUISITE--UNDERGRADUATE INSTRUMENTATION.
1/2 OR 1 UNIT

04580	LECT-DISC	A	1-3	TU TH	167	BAND		HINDSLEY

MUSIC 403 ANALYSIS IN RELATION TO PERFORMANCE AND INTERPRETATION, II.
PREREQUISITE--MUSIC 402.
1 UNIT

04581	LECT-DISC	A	12-2	M	116	1203 W NEV		LEONHARD

MUSIC 406 COMPOSITION.
1/2 TO 1 1/2 UNITS

04582	CONF	A	ARR		201	T A		BINKERD
04583	CONF	B	ARR		203	T A		FREDRICKSON
04584	CONF	C	ARR		305	S H		JOHNSTON
04585	CONF	D	ARR		202	T A		KELLY
04586	CONF	E	ARR		200	T A		MARTIRANO
04587	CONF	G	ARR		206	T A		GABURO

MUSIC 411 HISTORY OF MUSIC THEORY, II.
PREREQUISITE--GRADUATE STANDING IN MUSICOLOGY OR COMPOSITION, OR CONSENT OF INSTRUCTOR.
1 UNIT

07065	LECT-DISC	A	2-4	M	101	H A		
		A	3	F	201	H A		

MUSIC 415 NOTATION, II.
PREREQUISITE--MUSIC 414 OR CONSENT OF INSTRUCTOR.
1/2 UNIT

04588	LECT-DISC	A	2-4	F	101	H A		GOLDTHWAITE

MUSIC 423 SEMINAR IN MUSICOLOGY.
PREREQUISITE--GRADUATE STANDING IN MUSICOLOGY OR CONSENT OF INSTRUCTOR.
1 UNIT

04589	LECT-DISC	A	2-5	TU	101	H A		[illegible]

MUSIC 434 PIANO LITERATURE.
PREREQUISITE--BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EDUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04590	LECT-DISC	A	2-4	M F	108	S M H		[illegible]

MUSIC 435 VOCAL LITERATURE.
PREREQUISITE--BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EDUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04591	LECT-DISC	A	1-3	M F	215	S M H		[illegible]

MUSIC 436 ORGAN LITERATURE.
PREREQUISITE--BACHELOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EDUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04592	LECT-DISC	A	ARR		200	S M H		PETTINGA

MUSIC 437 STRING INSTRUMENT LITERATURE.
PREREQUISITE--BACHLOR OF MUSIC OR BACHELOR OF SCIENCE IN MUSIC EUCATION, OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04593	LECT-DISC	A	2-4	TU TH	105	S A		FARRELL

MUSIC 438 WIND INSTRUMENT LITERATURE.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT
*SECTION A--WOODWIND AND SECTION B--BRASS.

04594	LECT-DISC	A	9-11	TU TH	2	S M H		EDLEFSEN
04595	LECT-DISC	B	9-11	TU TH	228	BAND		

MUSIC 439 PERCUSSION INSTRUMENT LITERATURE.
PREREQUISITE--GRADUATE STANDING IN THE SCHOOL OF MUSIC AND CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04596	CONF	A	ARR		6	S M H		MCKENZIE

MUSIC 441 FOUNDATIONS AND PRINCIPLES OF MUSIC EDUCATION, II.
1/2 OR 1 UNIT

04597	LECT-DISC	A	[illegible]-11	T[illegible]	[illegible]	[illegible] W NEV		[illegible]

MUSIC 444 THE GENERAL MUSIC PROGRAM IN ELEMENTARY SCHOOLS.
PREREQUISITE--GRADUATE STANDING IN MUSIC EDUCATION.
1/2 UNIT

04598	LECT-DISC	A	9-11	TH	104	1203 W NEV		BERGETHON

MUSIC 445 MUSIC IN HIGHER EDUCATION.
PREREQUISITE--GRADUATE STANDING IN MUSIC OR MUSIC EDUCATION.
1/2 OR 1 UNIT

04599	LECT-DISC	A	9-11	M	11[illegible]	1203 W NEV		[illegible]

MUSIC 447 SEMINAR AND LABORATORY IN MUSICAL ACOUSTICS, II.
PREREQUISITE--MUSIC 446 OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

04600	LAB-DISC	A	[illegible]	M W F	[illegible]	S M H		[illegible]

MUSIC 451 HISTORY OF VOCAL ENSEMBLE AND CHORAL MUSIC, II.
1 UNIT

04601	LECT-DISC	A	9-11	TU TH	[illegible]	H A		[illegible]

APPLIED MUSIC

NOTE--STUDENTS IN MUSIC CURRICULA RECEIVE THREE OR FOUR HOURS FOR THEIR MAJOR OR PRINCIPAL SUBJECT.

AS A PART OF THE REQUIREMENTS FOR THE BACHELOR OF MUSIC DEGREE, SENIOR STUDENTS MUST PRESENT A PUBLIC RECITAL WHICH MEETS WITH SCHOOL OF MUSIC FACULTY APPROVAL AND CONFORMS WITH DEPARTMENTAL REQUIREMENTS.

MUSIC STUDENTS RECEIVE TWO HOURS CREDIT FOR THEIR MINOR OR SECONDARY SUBJECT.

STUDENTS FROM OTHER COLLEGES RECEIVE TWO HOURS CREDIT FOR WORK IN APPLIED MUSIC IF IN ACCORDANCE WITH THE REGULATIONS OF THEIR COLLEGE PASSING OF A PERFORMING EXAMINATION IS REQUIRED AS A PREREQUISITE TO THE INITIAL REGISTRATION IN ANY APPLIED MUSIC COURSE.

APPLIED MUSIC COURSES FOR UNDERGRADUATES

MUSIC 180 PIANO.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04602	CONF	A	ARR	209	S M H		KARP
04603	CONF	B	ARR	204	S M H		RICHARDS
04604	CONF	C	ARR	112	S M H		FLETCHER
04605	CONF	D	ARR	206	S M H		STRAVINSKY
04606	CONF	E	ARR	201	S M H		SANDERS
04607	CONF	F	ARR				BILSON
04608	CONF	G	ARR				GOLD
04609	CONF	H	ARR				
04610	CONF	I	ARR				CROCKETT

MUSIC 181 VOICE.
2 OR 3 HOURS, SUMMER--1 OR 2 HOURS

4611	CONF	A	ARR	203	S M H		BAILEY
04612	CONF	B	ARR	210	S M H		BOWEN
04613	CONF	C	ARR	202	S M H		CLARK
04614	CONF	D	ARR	211	S M H		FOOTE
04615	CONF	E	ARR	215	S M H		KELLOGG
04616	CONF	F	ARR	201	S H		MILLER
04617	CONF	G	ARR	200B	S M H		BURDETTE
04618	CONF	H	ARR	207	S M H		REYNOLDS
04619	CONF	I	ARR	210	S H		G WILSON
04620	CONF	J	ARR				
04621	CONF	K	ARR				
04622	CONF	L	ARR				SCHLEICHER

MUSIC 182 ORGAN.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS.

04623	CONF	A	ARR	200	S M H		PETTINGA
04624	CONF	B	ARR	200	S M H		HAMILTON
04625	CONF	C	ARR				

MUSIC 183 VIOLIN.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04626	CONF	A	ARR	202	S A		ROLLAND
04627	CONF	B	ARR	208	S A		SCHMITT
04628	CONF	C	ARR				

MUSIC 184 VIOLA.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04629	CONF	A	ARR	203	S A		GARVEY

MUSIC 185 CELLO.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04630	CONF	A	ARR	201	S	A	SWENSON
04631	CONF	B	ARR	105	S	A	FARRELL

MUSIC 186 STRING BASS.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04632	CONF	A	ARR	9	S	M	H	KROLICK

MUSIC 187 FLUTE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04633	CONF	A	ARR	10	S	M	H	DELANEY
04634	CONF	B	ARR					

MUSIC 188 CLARINET.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04635	CONF	A	ARR	11	S	M	H	MCDOWELL
04636	CONF	B	ARR	12	S	M	H	COGGINS
04637	CONF	C	ARR					

MUSIC 189 OBOE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04638	CONF	A	ARR	2	S	M	H	EDLEFSEN

MUSIC 190 BASSOON.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04639	CONF	A	ARR	203	S	H		BERRY

MUSIC 191 CORNET AND TRUMPET.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04640	CONF	A	ARR	14	S	M	H	SEXTON
04641	CONF	B	ARR					

MUSIC 192 FRENCH HORN.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04642	CONF	A	ARR	4	S	M	H	HOLDEN

MUSIC 193 TROMBONE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04643	CONF	A	ARR	8	S	M	H	GRAY
04644	CONF	B	ARR					

MUSIC 194 BARITONE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04645	CONF	A	ARR	5	S	M	H	GRAY
04646	CONF	B	ARR					

MUSIC 195 TUBA.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04647	CONF	A	ARR	5	S	M	H	GRAY
04648	CONF	B	ARR					

MUSIC 196 PERCUSSION.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04649	CONF	A	ARR	7	S	M	H	MCKENZIE
04650	CONF	B	ARR					

MUSIC 197 HARP.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04651	CONF	A	ARR	113	S	M	H	KLEINSTEUBER

MUSIC 198 ALTO SAXOPHONE.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04652	CONF	A	ARR	12	S	M	H	COGGINS

MUSIC 199 HARPSICHORD.
2 OR 4 HOURS, SUMMER--1 OR 2 HOURS

04653	CONF	A	ARR	101	S	M	H	HUNTER

APPLIED MUSIC COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PREREQUISITE--FOR STUDENTS IN THE BACHELOR OF MUSIC CURRICULUM, JUNIOR STANDING IN THE MAJOR APPLIED MUSIC SUBJECT. FOR STUDENTS IN MUSIC EDUCATION, COMPLETION OF THE CURRICULAR REQUIREMENT IN THE MAJOR APPLIED MUSIC SUBJECT. FOR STUDENTS IN OTHER COLLEGES OF THE UNIVERSITY, COMPLETION OF FOUR SEMESTERS IN THE COMPARABLE APPLIED MUSIC COURSE AT THE 100 LEVEL. QUALIFYING EXAM FOR TRANSFER STUDENTS.

MUSIC 380 PIANO.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04654	CONF	A	ARR	209	S M H	KARP
04655	CONF	B	ARR	204	S M H	RICHARDS
4656	CONF	C	ARR	112	S M H	FLETCHER
4657	CONF	D	ARR	206	S M H	STRAVINSKY
4658	CONF	E	ARR	201	S M H	SANDERS
04659	CONF	F	ARR			BILSON

MUSIC 381 VOICE.
2 OR 3 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04660	CONF	A	ARR	203	S M H	BAILEY
04661	CONF	B	ARR	210	S M H	BOWEN
04662	CONF	C	ARR	202	S M H	CLARK
4663	CONF	D	ARR	211	S M H	FOOTE
4664	CONF	E	ARR	215	S M H	KELLOGG
04665	CONF	F	ARR	201	S H	MILLER
04666	CONF	G	ARR	200B	S M H	BURDETTE
04667	CONF	H	ARR	207	S M H	REYNOLDS
4668	CONF	I	ARR	210	S H	G WILSON
04669	CONF	J	ARR			

MUSIC 382 ORGAN.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04670	CONF	A	ARR	200	S M H	PETTINGA
04671	CONF	B	ARR	200	S M H	HAMILTON

MUSIC 383 VIOLIN.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04672	CONF	A	ARR	202	S A	ROLLAND
04673	CONF	B	ARR	208	S A	SCHMITT

MUSIC 384 VIOLA.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04674	CONF	A	ARR	203	S A	GARVEY

MUSIC 385 CELLO.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

4675	CONF	A	ARR	201	S A	SWENSON
04676	CONF	B	ARR	105	S A	FARRELL

MUSIC 386 STRING BASS.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

4677	CONF	A	ARR	9	S M H	KROLICK

MUSIC 387 FLUTE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04678	CONF	A	ARR	10	S M H	DELANEY

MUSIC 388 CLARINET.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04679	CONF	A	ARR	11	S M H	MCDOWELL
04680	CONF	B	ARR	12	S M H	COGGINS

MUSIC 389 OBOE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04681	CONF	A	ARR	2	S M H	EDLEFSEN

MUSIC 390 BASSOON.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.

04682	CONF	A	ARR	203	S H	BERRY

MUSIC 391 CORNET AND TRUMPET.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04683 CONF A ARR 14 S M H SPETH.

MUSIC 392 FRENCH HORN.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04684 CONF A ARR 4 S M H HOLDEN

MUSIC 393 TROMBONE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04685 CONF A ARR 4 S M H GRAY

MUSIC 394 BARITONE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04686 CONF A ARR 4 S M H GRAY

MUSIC 395 TUBA.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04687 CONF A ARR 4 S M H GRAY

MUSIC 396 PERCUSSION.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04688 CONF A ARR 4 S M H MCKENZIE

MUSIC 397 HARP.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04689 CONF A ARR 113 S M H KLEINSTEUBER

MUSIC 398 SAXOPHONE.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04690 CONF A ARR 12 S M H JOHNSON

MUSIC 399 HARPSICHORD.
2 OR 4 HOURS, 1/2 OR 1 UNIT, SUMMER--1 OR 2 HOURS, 1/4 OR 1/2 UNIT.
04691 CONF A ARR 101 S M H HUNTER

APPLIED MUSIC COURSES FOR GRADUATES

MUSIC 480 PIANO.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT
04692 CONF A ARR 214 S M H RICHARDS AND PIANO FACULTY

MUSIC 481 VOICE.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT
04693 CONF A ARR 211 S M H FOOTE AND VOICE FACULTY

MUSIC 482 ORGAN.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT
04694 CONF A ARR 200 S M H PETTINGA
04695 CONF B ARR 200 S M H HAMILTON

MUSIC 483 STRING INSTRUMENTS.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF QUALIFYING EXAMINATION GIVEN BY GRADUATE COMMITTEE.
1/2 OR 1 UNIT
04696 CONF A ARR 202 S M H [illegible] AND STRING FACULTY

MUSIC 484 WIND INSTRUMENTS.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCCESSFUL COMPLETION OF QUALIFYING EXAMINATION GIVEN BY GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04697	CONF	A	ARR		11	S M H	MCDOWELL AND WIND INSTRUMENT FACULTY

MUSIC 485 PERCUSSION INSTRUMENTS.
PREREQUISITE--BACHELOR OF MUSIC DEGREE, SUCESSFUL COMPLETION OF A QUALIFYING EXAMINATION GIVEN BY THE GRADUATE COMMITTEE.
1/2 OR 1 UNIT

04698	CONF	A	ARR		6	S M H	MCKENZIE

MUSIC 489 DOCTORAL PROJECTS.
OPEN ONLY TO STUDENTS IN THE DOCTOR OF MUSICAL ARTS PROGRAM.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 TO 3 UNITS

04699	CONF	A	ARR		210	1203 W NEV	GOLDTHWAITE AND GRADUATE FACULTY

MUSIC 499 THESIS RESEARCH.
PREREQUISITE--CONSENT OF ADVISOR.
0 TO 4 UNITS, SUMMER--0 TO 2 UNITS

04700	CONF	A	ARR		210	1203 W NEV	GOLDTHWAITE, V WILSON AND GRADUATE FACULTY

SUPPLEMENTARY INSTRUMENTS

NOTE--THESE COURSES ARE OPEN AS ELECTIVES TO STUDENTS FROM OTHER COLLEGES. IN COURSES INVOLVING TWO INSTRUMENTS, TWO DAYS A WEEK ARE SPENT ON EACH INSTRUMENT FOR THE ENTIRE SEMESTER. PREREQUISITE FOR ALL NON-MUSIC STUDENTS--CONSENT OF INSTRUCTOR.

COURSES FOR UNDERGRADUATES

MUSIC 170 STRING INSTRUMENTS.
PREREQUISITE--JUNIOR STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
2 HOURS
*SECTION A IS FOR BEGINNERS. SECTION B IS FOR ADVANCED STUDENTS.

04701	LAB-DISC	A	9	MTUWTHF	5	S M H	KROLICK, WALLER
04702	LAB-DISC	B	10	MTUWTHF	5	S M H	KROLICK, WALLER

MUSIC 171 CLARINET.
2 HOURS

04703	LAB-DISC	A	8	MTUWTHF	5	S M H	WEBB

MUSIC 172 CORNET OR TRUMPET.
2 HOURS

04704	LAB-DISC	A	9	MTUWTHF	4	S M H	

MUSIC 173 FLUTE AND SAXOPHONE.
PREREQUISITE--MUSIC 171.
2 HOURS

04705	LAB-DISC	A	9	MTUWTHF	10	S M H	COGGINS

MUSIC 174 FRENCH HORN AND PERCUSSION.
PREREQUISITE--MUSIC 172.
2 HOURS

04706	LAB-DISC	A	10	MTUWTHF	4	S M H	HOLDEN

MUSIC 175 TROMBONE, BARITONE, AND TUBA.
PREREQUISITE--MUSIC 172.
2 HOURS

04707	LAB-DISC	A	8	MTUWTHF	25	S M H		

MUSIC 176 OBOE AND BASSOON.
PREREQUISITE--MUSIC 171.
2 HOURS

04708	LAB-DISC	A	8	MTUWTHF	2	S M H		BERRY,EDLEFSEN

MUSIC 177 CLASS PIANO INSTRUCTION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
2 HOURS
*FOR NON-MUSIC STUDENTS ONLY
SECTIONS A-B--FIRST SEMESTER
SECTIONS C-J--SECOND SEMESTER
SECTION K --THIRD SEMESTER
SECTIONS L-R--FOURTH SEMESTER

04718	LAB-DISC	A	1	TU TH	1	S H		LYKE
04716	LAB-DISC	*B	11	M W	1	S H		HENDERSON
04717	LAB-DISC	*C	8	M W	1	S H		RUPPEL
04709	LAB-DISC	D	8	TU TH	1	S H		RUPPEL
04710	LAB-DISC	E	9	TU TH	1	S H		LYKE
04711	LAB-DISC	F	10	M W	1	S H		HENDERSON
04712	LAB-DISC	G	1	M W	1	S H		LYKE
04713	LAB-DISC	H	2	M W	1	S H		HENDERSON
04714	LAB-DISC	I	3	TU TH	1	S H		HENDERSON
04715	LAB-DISC	J	12	TU TH	1	S H		HENDERSON
04719	LAB-DISC	K	2	TU TH	200A	S M H		LYKE
04720	LAB-DISC	L	9	TU TH	200A	S M H		RUPPEL
04721	LAB-DISC	M	10	TU TH	200A	S M H		RUPPEL
04722	LAB-DISC	N	10	M W	200A	S M H		RUPPEL
04723	LAB-DISC	O	9	M W	200A	S M H		RUPPEL
04724	LAB-DISC	P	1	TU TH	200A	S M H		HENDERSON
04725	LAB-DISC	Q	1	M W	200A	S M H		HENDERSON
04726	LAB-DISC	R	9	M W	1	S H		LYKE

MUSIC 178 CLASS INSTRUCTION IN VOICE.
FOR MUSIC AND MUSIC EDUCATION STUDENTS ONLY.
2 HOURS

04727	LAB-DISC	A	9	TU TH	203	S M H		BAILEY
04728	LAB-DISC	B	10	M W	202	S M H		CLARK
04729	LAB-DISC	C	2	TU TH	202	S M H		CLARK

ENSEMBLE COURSES

NOTE--ALL ENSEMBLE COURSES REQUIRE CONSENT OF INSTRUCTOR.

COURSES FOR ADVANCED UNDERGRADUATES

MUSIC 250 UNIVERSITY ORCHESTRA.
1/2 HOUR

04730	PRACT	A	730PM	M		RECITAL HALL		GOODMAN
		A	4	W F		RECITAL HALL		

MUSIC 252 WIND ENSEMBLE.
1/2 HOUR

04731	PRACT	A	11-1230	W F		RECITAL HALL		

MUSIC 253 COLLEGIUM MUSICUM.
1/2 HOUR

04732	PRACT	A	ARR		101	S M H		HUNTER

MUSIC 254 STRING ENSEMBLE.
1/2 HOUR

04733	PRACT	A	11	MTUW F	102	S A		GARVEY AND STAFF

MUSIC 255 WOODWIND ENSEMBLE.
1/2 HOUR
•DAYS TO BE ARRANGED.
04734 PRACT A •11 12 S M H MCDOWELL AND WOODWIND FACULTY

MUSIC 256 BRASS ENSEMBLE.
1/2 HOUR
•DAYS TO BE ARRANGED.
04735 PRACT A •11 14 S M H GRAY, HOLDEN, SEXTON

MUSIC 257 PERCUSSION ENSEMBLE.
1/2 HOUR
04736 PRACT A 11 MTUW F 6 S M H MCKENZIE

MUSIC 258 PIANO ENSEMBLE.
1/2 HOUR
04737 PRACT A 4-6 M 112 S M H FLETCHER

MUSIC 259 ORGAN KEYBOARD TECHNIQUES.
1 HOUR
04738 PRACT A 11 MTUW F 200 S M H PETTINGA

MUSIC 260 ORATORIO SOCIETY.
1/2 HOUR
NOTE--OPEN TO STUDENTS, FACULTY AND TOWNSPEOPLE.
04739 PRACT A 8-945PM TH 25 S M H DECKER

MUSIC 261 UNIVERSITY CHORUS.
NOTE--OPEN TO STUDENTS, FACULTY AND TOWNSPEOPLE.
1/2 HOUR
04740 PRACT A 630-8PM TU TH 306 S M H

MUSIC 262 WOMENS GLEE CLUB.
NOTE--OPEN TO ALL WOMEN STUDENTS.
1/2 HOUR
04741 PRACT A 4-530 TU TH 25 S M H E THOMAS

MUSIC 263 MENS GLEE CLUB.
NOTE--OPEN TO ALL MEN STUDENTS.
1/2 HOUR
04742 PRACT A 630-8PM TU TH 25 S M H DECKER

MUSIC 264 UNIVERSITY CHOIR.
1/2 HOUR
04743 PRACT A 4-515 M W F 25 S M H DECKER

MUSIC 265 OPERA WORKSHOP AND ENSEMBLE.
1/2 HOUR
04744 PRACT A 3-5 TU TH 5 S M H ZIRNER AND STAFF

MUSIC 267 HARP ENSEMBLE.
PREREQUISITE--MUSIC 197 AND/OR 397.
1/2 HOUR
04745 PRACT A ARR 113 S M H KLEINSTEUBER

MUSIC 268 SMALL CHORAL ENSEMBLES.
1/2 HOUR
04746 PRACT A 12 TU F 25 S M H H CARTER
04747 PRACT B 12 TU F 5 S M H E THOMAS

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 350 ADVANCED ENSEMBLE MUSIC.
PREREQUISITE--REGISTRATION IN APPLIED MUSIC AT THE 300 LEVEL AND CONSENT OF INSTRUCTOR.
2 HOURS OR 1/2 UNIT, SUMMER--1 HOUR OR 1/4 UNIT
*SECTION A IS FOR INSTRUMENTAL, SECTION B FOR OPERATIC, SECTION C FOR COLLEGIUM.

04748	LAB-DISC	*A	ARR		2[illegible]3	S A		GARVEY
04749	LAB-DISC	*B	3-5	W	100A	S H		ZIRNER
04750	LAB-DISC	*C	ARR		101	S M H		HUNTER

VOCAL DICTION COURSES

COURSES FOR UNDERGRADUATES

MUSIC 166 ENGLISH DICTION.
PREREQUISITE--FRESHMAN STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04751	CONF	A	ARR		203	S M H		BAILEY
04752	CONF	B	ARR		210	S M H		BOWEN
04753	CONF	C	ARR		202	S M H		CLARK
04754	CONF	D	ARR		211	S M H		FOOTE
04755	CONF	E	ARR		215	S M H		KELLOGG
04756	CONF	F	ARR		201	S H		MILLER
04757	CONF	G	ARR		200B	S M H		BURDETTE
04758	CONF	H	ARR		207	S M H		REYNOLDS
04759	CONF	I	ARR		210	S H		G WILSON
04760	CONF	J	ARR					
04761	CONF	K	ARR					
04762	CONF	L	ARR					SCHLEICHER

MUSIC 167 ITALIAN DICTION.
PREREQUISITE--FRESHMAN STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04763	LAB-DISC	A	10	M W	102	S H		BOWEN
04764	LAB-DISC	B	2	TU TH	103	S M H		BOWEN

MUSIC 168 GERMAN DICTION.
PREREQUISITE--SOPHOMORE STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04765	LAB-DISC	A	2	TU TH	215	S M H		KELLOGG

MUSIC 169 FRENCH DICTION.
PREREQUISITE--SOPHOMORE STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 181.
1 HOUR

04766	LAB-DISC	A	9	TU TH	116	1203 W NEV		CLARK

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 367 VOCAL REPERTOIRE, II.
PREREQUISITE--JUNIOR STANDING IN VOICE OR CONSENT OF INSTRUCTOR, CONCURRENT REGISTRATION IN MUSIC 381.
1 HOUR

04767	LAB-DISC	A	1	TU TH	100	S H		KELLOGG, G WILSON

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

MUSIC 320 PROSEMINAR.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN MUSIC OR MUSIC EDUCATION, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 8 HOURS OR 2 UNITS.
*2 OR 4 HOURS, OR 1/2 OR 1 UNIT

04768	LECT-DISC	A	2-5	W	101	H A		NETTL
04769	CONF	B	ARR		210	1203 W NEV		GOLDTHWAITE AND FACULTY

MUSIC 322 INTRODUCTION TO MUSICOLOGY.
PREREQUISITE--SENIOR OR GRADUATE STANDING IN MUSIC OR CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 6 HOURS, OR 1 UNIT.
*3 HOURS, OR 1/2 OR 1 UNIT

04770	LECT-DISC	A	1	TU TH	101	H A		HAMM
		A	2	TH		H A		

MUSIC 324 OPERA PRODUCTION, II.
PREREQUISITE--MUSIC 323.
3 HOURS, OR 1/2 UNIT

04771	CONF	A	ARR		100A	S H		ZIRNER

COURSES FOR GRADUATES

MUSIC 420 SEMINAR IN MUSIC LITERATURE.
REQUIRED OF ALL STUDENTS ENROLLED IN THE DOCTORAL MUSICAL ARTS PROGRAM.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE TWO UNITS.
*1 UNIT

04772	LECT-DISC	A	4-6	TH	101	H A		GOLDTHWAITE

MUSIC 422 SEMINAR IN THEORY OF MUSIC.
PREREQUISITE--GRADUATE STANDING IN MUSIC THEORY OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

04773	LECT-DISC	A	10	TU TH	106	S M H		

MUSIC 427 BEETHOVEN, II.
1/2 OR 1 UNIT

04774	LECT-DISC	A	10-12	M	101	H A		RINGER
		A	10	W	101	H A		

MUSIC 428 PROBLEMS AND METHODS.
REQUIRED OF ALL STUDENTS IN THE MASTER OF MUSIC PROGRAM EXCEPT THOSE MAJORING IN MUSICOLOGY.
1 UNIT

04775	LECT-DISC	A	9-12	TU	201	H A		SIEBERT
04776	LECT-DISC	B	9-12	TH	201	H A		SIEBERT

DEPARTMENT OFFICE 239 ARMORY

ATTENDANCE AT PARADES AND CEREMONIES IS REQUIRED.

ALL UNITS BATTALION PARADE 3-5 TH MAY 13

COURSES FOR UNDERGRADUATES

N S 100 NAVAL SCIENCE LABORATORY.
REQUIRED OF ALL NROTC STUDENTS.
NO CREDIT

04777	LAB	A	3-5	TH	101 ARMORY	STAFF
		A	3-5	TH	ARMORY FLOOR	STAFF
04778	LAB	B	3-5	TH	172 ARMORY	STAFF
		B	3-5	TH	ARMORY FLOOR	STAFF
04779	LAB	C	3-5	TH	173 ARMORY	STAFF
		C	3-5	TH	ARMORY FLOOR	STAFF
04780	LAB	D	3-5	TH	250 ARMORY	STAFF
		D	3-5	TH	ARMORY FLOOR	STAFF
04781	LAB	E	3-5	TH	253 ARMORY	IDE
		E	3-5	TH	337 ARMORY	IDE
		E	3-5	TH	ARMORY FLOOR	STAFF
04782	LAB	F	3-5	TH	349 ARMORY	DONABDIAN
		F	3-5	TH	ARMORY FLOOR	STAFF

N S 112 SEA POWER, II.
PREREQUISITE--N.S. 111.
3 HOURS
NOTE--FRESHMEN NROTC STUDENTS REGISTER FOR HISTORY 292 INSTEAD OF NAVAL SCIENCE 112.

NOTE--SOPHOMORE N.R.O.T.C. STUDENTS REGISTER FOR EDPSY. 210-PSYCHOLOGY IN THE TRAINING AND LEADERSHIP OF ADULTS.

N S 121 NAVAL WEAPONS.
PREREQUISITE--REGISTRATION IN N.S. 100.
3 HOURS
NOTE - REGULAR NROTC STUDENTS WITH JUNIOR STANDING ADMITTED UNDER THE MODIFIED NROTC PROGRAM IN SEPTEMBER 1964 WILL REGISTER FOR NAVAL SCIENCE 121. MIDSHIPMEN IN ANY OTHER CATEGORY REQUIRE APPROVAL OF THE PROFESSOR OF NAVAL SCIENCE PRIOR TO REGISTERING FOR N S 121.

04784	LECT	A	8	M W F	250 ARMORY	IDE

COURSES FOR ADVANCED UNDERGRADUATES

N S 241 NAVAL OPERATIONS.
PREREQUISITE--JUNIOR STANDING IN NAVAL OFFICER TRAINING PROGRAM, REGISTRATION IN N.S. 100.
3 HOURS

04785	LECT	A	8-930	TU TH	250 ARMORY	STAFF
04786	LECT	B	10-1130	TU TH	250 ARMORY	STAFF

N S 242 NAVAL LEADERSHIP.
PREREQUISITE--ED. PSY. 210, SENIOR STANDING IN NAVAL OFFICER TRAINING PROGRAM, REGISTRATION IN N. S. 100.
3 HOURS

04787	LECT	A	9	M W F	250 ARMORY	STAFF
04788	LECT	B	10	M W F	250 ARMORY	STAFF

N S 292 BASIC STRATEGY AND TACTICS.
PREREQUISITE--REGISTRATION IN N.S. 100.
3 HOURS

04789	LECT	A	2	M W F	250 ARMORY	DONABEDIAN

N S 294 AMPHIBIOUS WARFARE DOCTRINE.
PREREQUISITE--SENIOR STANDING IN NROTC, REGISTRATION IN N. S. 100.
3 HOURS
04790 LECT A 11 M W F 250 ARMORY DONABEDIAN

NUCLEAR ENGINEERING

DEPARTMENT OFFICE 264 M E B

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NUC E 347 INTRODUCTION TO NUCLEAR ENGINEERING.
PREREQUISITE--PHYCS. 282 OR PHYCS. 382 AND SENIOR STANDING IN ENGINEERING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT
04791 LECT-DISC 9 M W F 203 MET LAB WYMAN

NUC E 397 RADIOCHEMISTRY.
SAME AS CHEM. 397.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
04792 LECT-DISC 10 TU TH S 111 N L

NUC E 398 RADIOCHEMISTRY LABORATORY.
SAME AS CHEM. 398.
PREREQUISITE--ONE SEMESTER OF PHYSICAL CHEMISTRY OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT
04793 DISC 3 TH 301 N L
04794 LAB A 1-4 M 20 N L
04795 LAB B 1-4 TU 20 N L

COURSES FOR GRADUATES

NUC E 431 NUCLEAR METALLURGY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
04796 LECT-DISC 10 M W F 203 MET LAB BOHL
04797 LAB A 2-5 W 212 M M B
04798 LAB B 2-5 TH 212 M M B

NUC E 441 NUCLEAR RADIATION SHIELDING.
PREREQUISITE--NUC. E. 347, MATH. 343 AND 345, OR CONSENT OF INSTRUCTOR.
1 UNIT
04799 LECT-DISC 2-4 TU TH 203 MET LAB CHILTON

NUC E 447 RADIOACTIVE WASTE DISPOSAL.
SAME AS C. E. 447.
PREREQUISITE--PHYCS. 282 OR CHEM. 398 OR NUC. E. 398 OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
04800 LECT-DISC 11 M W F 208 C E H EWING

NUC E 451 REACTOR LABORATORY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
04801 LAB ARR NUCREACTOR LAB HANG

NUC E 454 NUCLEAR ENGINEERING LABORATORY INVESTIGATIONS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 1 1/2 UNITS
04802 CONF ARR STAFF

NUC E 455 REACTOR PHYSICS, I.
SAME AS PHYCS. 455.
PREREQUISITE--MATH. 343 AND 345, NUC. E. 347, [illegible]
INSTRUCTOR.
1 UNIT
04803 LECT-DISC 10-12 TU TH [illegible] [illegible]

NUC E 458 NUCLEAR REACTOR ENGINEERING.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
04804 LECT-DISC ARR MILEY

NUC E 467 THERMOMECHANICS IN NUCLEAR REACTOR SYSTEMS.
SAME AS I. A. M. 467.
PREREQUISITE--NUC. E. 401, 347, MATH. 342, 343 OR EQUIVALENT.
1 UNIT
04805 LECT-DISC 2 M W F [illegible] [illegible]

NUC E 490 SPECIAL TOPICS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
E - RECENT ADVANCES IN THE FIELD.
04806 LECT-DISC 3 M W F [illegible]

NUC E 495 NUCLEAR ENGINEERING PROBLEMS.
PREREQUISITE--AT LEAST THREE UNITS OF GRADUATE WORK AND
CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
04807 CONF ARR STAFF

NUC E 497 SEMINAR IN NUCLEAR SCIENCE AND ENGINEERING.
0 OR 1/4 UNIT
04808 LECT-DISC ARR STAFF

NUC E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
04809 CONF ARR STAFF

OCCUPATIONAL THERAPY

DEPARTMENT OFFICE [illegible]

COURSES FOR UNDERGRADUATES

O T 100 OCCUPATIONAL THERAPY ORIENTATION.
PREREQUISITE--REGISTRATION IN THE OCCUPATIONAL THERAPY CURRICULUM.
2 HOURS
04810 DISC 1 TU TH ARR

PETROLEUM ENGINEERING

DEPARTMENT OFFICE 201 [illegible]

COURSES FOR ADVANCED UNDERGRADUATES

PET E 241 PETROLEUM PRODUCTION SPECIAL PROBLEM.
1 HOUR
04811 CONF 6A ARR [illegible]

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PET E 372 RESERVOIR MECHANICS, II.
3 HOURS, OR 1 UNIT

04812	LECT	10	M W F	403	M M B		ROSE

PET E 374 RECOVERY OF PETROLEUM.
PREREQUISITE--PET E 372, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04813	LECT	ARR					STAFF

PET E 375 ADVANCED PETROLEUM ENGINEERING LABORATORY.
PREREQUISITE--SENIOR OR GRADUATE STANDING, PET E 372, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 OR 1 UNIT

04814	LECT	ARR					STAFF

PHILOSOPHY

DEPARTMENT OFFICE 181 L H

MAJOR--TWENTY HOURS FROM ANY COURSES OFFERED BY THE DEPARTMENT, INCLUDING PHIL. 102, 303, 306, 321, AND ONE ADDITIONAL 300 COURSE IN PHILOSOPHY.

MINORS--TWENTY HOURS SELECTED FROM THE COURSES OF ANY ONE OR TWO DEPARTMENTS OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES EXCLUDING RHET. 101, 102, AND FIRST-YEAR MODERN LANGUAGE COURSES, OR FROM ANY APPROVED L A S INTERDEPARTMENTAL CURRICULUM, OR FROM ECONOMICS, EDUCATION, HOME ECONOMICS, LAW, OR LIBRARY SCIENCE. IF TWO DEPARTMENTS OR CURRICULA ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH, AND THE COURSES MUST BE APPROVED BY THE DEPARTMENT OF PHILOSOPHY.

COURSES FOR UNDERGRADUATES

FRESHMAN JAMES SCHOLARS ARE AUTOMATICALLY PERMITTED TO TAKE ANY 100 LEVEL PHILOSOPHY COURSE.

PHIL 101 INTRODUCTION TO PHILOSOPHY.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
3 HOURS

04815	LECT-DISC	A1	8	M W F	396	L H	
04816	LECT-DISC	A2	8	M W F	156	L H	
04817	LECT-DISC	B1	9	M W F	396	L H	
04818	LECT-DISC	B2	9	M W F	184	L H	
04819	LECT-DISC	C	10	M W F	184	L H	
04820	LECT-DISC	D1	11	M W F	396	L H	
04821	LECT-DISC	D2	11	M W F	186	L H	
04822	LECT-DISC	E1	1	M W F	186	L H	
04823	LECT-DISC	F	2	M W F	396	L H	
04824	LECT-DISC	G	3	M W F	184	L H	
04825	LECT-DISC	L	9	TU TH S	184	L H	
04826	LECT-DISC	M	10	TU TH S	184	L H	
04827	LECT-DISC	Y	10-1130	TU TH	396	L H	
04828	LECT-DISC	Z	2-330	TU TH	184	L H	

PHIL 102 LOGIC.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
3 HOURS

04829	LECT-DISC	A	8	M W F	184	L H			
04830	LECT-DISC	B	9	M W F	311	G H			
04831	LECT-DISC	C	10	M W F	311	G H			
04832	LECT-DISC	D	11	M W F	162	L H			
04833	LECT-DISC	E	1	M W F	162	L H			
04834	LECT-DISC	F	2	M W F	162	L H			
04835	LECT-DISC	G	3	M W F	186	L H			
04836	LECT-DISC	L	9	TU TH S	156	L H			
04837	LECT-DISC	Z	230-4	TU TH	186	L H			
04838	LECT-DISC	B2	9	M W F	434	N H B			
04839	LECT-DISC	C2	10	M W F	201	N L			

PHIL 104 PHILOSOPHY OF DEMOCRACY.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF DEPARTMENT.
4 HOURS

04840	LECT-DISC		2	MTUWTH	311	G H	WAINWRIGHT

PHIL 105 MORAL IDEAS AND PRACTICE.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
*CREDIT IS NOT GIVEN FOR BOTH PHIL. 105 AND 103.
*2 HOURS

04841	LECT-DISC	A	8	TU TH	162	L H
04842	LECT-DISC	B	9	TU TH	162	L H
04843	LECT-DISC	C	10	TU TH	162	L H
04844	LECT-DISC	D1	11	TU TH	162	L H
04845	LECT-DISC	D2	11	TU TH	130	L H
04846	LECT-DISC	F	2	TU TH	162	L H
04847	LECT-DISC	G	3	TU TH	162	L H
04848	LECT-DISC	X	3	M W	162	L H

PHIL 110 WORLD RELIGIONS.
PREREQUISITE--SOPHOMORE STANDING OR CONSENT OF CHAIRMAN OF THE DEPARTMENT.
3 HOURS

04849	LECT		11	TU TH	112	G H		TIEBOUT
04850	DISC	A1	1	TU	184	L H		
04851	DISC	A2	1	TU	162	L H		
04852	DISC	B1	1	TH	184	L H		
04853	DISC	B2	1	TH	162	L H		
04854	DISC	C1	2	TU	396	L H		
04855	DISC	D1	2	TH	396	L H		
04856	DISC	E1	3	TU	396	L H		
04857	DISC	F1	3	TH	396	L H		
04858	DISC	G1	2	F	311	G H		
04859	DISC	H1	3	F	162	L H		

PHIL 172 PHILOSOPHY.
SAME AS D.G.S. 172.
PREREQUISITE--D.G.S. 171, SOPHOMORE STANDING OR CONSENT OF INSTRUCTOR.
4 HOURS

04860	LECT-DISC		1	MTUWTH	396	L H	GOLDBERG

COURSES FOR ADVANCED UNDERGRADUATES

PHIL 201 READING COURSE.
PREREQUISITE--JUNIOR OR SENIOR WITH A GENERAL GRADE-POINT AVERAGE OF 4.0 OR WITH CONSENT OF CHAIRMAN OF DEPARTMENT.
2 TO 4 HOURS

04861	CONF	&A	ARR		TIEBOUT

PHIL 202 THESIS.
PREREQUISITE--SENIOR WITH A GENERAL GRADE-POINT AVERAGE OF 4.0 OR WITH CONSENT OF CHAIRMAN OF DEPARTMENT.
2 TO 4 HOURS

04862	CONF	&A	ARR		STAFF

SOPHOMORE JAMES SCHOLARS WHO HAVE HAD NO PHILOSOPHY COURSES ARE PERMITTED TO TAKE PHIL. 303, 306, 307, AND 308. THOSE WHO HAVE HAD A PHILOSOPHY COURSE MAY TAKE ANY 300-LEVEL PHILOSOPHY COURSE.

PHIL 304 HISTORY OF MEDIEVAL PHILOSOPHY.
PREREQUISITE--PHIL. 101 OR 303.
3 HOURS, OR 3/4 OR 1 UNIT

04863	LECT-DISC		2	M W F	186	L H			

PHIL 306 HISTORY OF MODERN PHILOSOPHY.
4 HOURS, OR 1 UNIT
•DISC. K IS FOR GRADUATE STUDENTS AND PHILOSOPHY MAJORS.

04864	LECT		10	TU TH	213	G H			GOTSHALK
04865	DISC	A	11	TU	186	L H			
04866	DISC	B	11	TH	213	G H			
04867	DISC	C	1	TU	186	L H			
04868	DISC	D	1	TH	186	L H			
04869	DISC	E	2	TU	232	L H			
04870	DISC	F	2	TH	232	L H			
04871	DISC	•K	3	TH	145	L H			

PHIL 313 AMERICAN PHILOSOPHY.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04872	LECT-DISC		9	M W F	162	L H			

PHIL 321 ETHICS AND VALUE THEORY.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04873	LECT-DISC		10	M W F	162	L H			

PHIL 324 PHILOSOPHY OF RELIGION.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04874	LECT-DISC		1	M W F	311	G H			WAINWRIGHT

PHIL 326 METAPHYSICS.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04875	LECT-DISC		3	M W F	304	G H			

PHIL 328 PHILOSOPHY OF SCIENCE.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04876	LECT-DISC		9	M W F	186	L H			AGASSI

PHIL 331 ANALYTIC PHILOSOPHY.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04877	LECT-DISC		2	M W F	304	G H			

PHIL 334 SYMBOLIC LOGIC, II.
PREREQUISITE--PHIL. 333.
3 HOURS, OR 3/4 OR 1 UNIT

04878	LECT-DISC		11	M W F	311	G H			TURQUETTE

PHIL 336 PHILOSOPHY OF LAW AND OF THE STATE.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04879	LECT-DISC		10	M W F	186	L H			

PHIL 337 SEMANTICS.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT

04880	LECT-DISC		1	M W F	184	L H			LINSKY

PHIL 350 PHILOSOPHY AND MODERN LIFE.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
04881 LECT-DISC 11 M W F 1M4 L H GOTSHALK

PHIL 363 CONTEMPORARY RELIGIOUS THOUGHT.
PREREQUISITE--ONE COURSE IN PHILOSOPHY.
3 HOURS, OR 3/4 OR 1 UNIT
04882 LECT-DISC 830-10 TU TH 39B L H TIERCOT

COURSES FOR GRADUATES

PHIL 403 SEMINAR IN MEDIEVAL PHILOSOPHY.
1 UNIT
04883 LECT-DISC 730-930PM M 30A L H

PHIL 405 SEVENTEENTH CENTURY CONTINENTAL THOUGHT-DESCARTES, SPINOZA, LEIBNIZ.
1 UNIT
04884 LECT-DISC 3-5 W 171 L H

PHIL 407 BRITISH EMPIRICISM.
1 UNIT
04885 LECT-DISC 3-5 W 30A L H

PHIL 409 RECENT AMERICAN PHILOSOPHY.
1 UNIT, SUMMER--1/2 UNIT
04886 LECT-DISC 4-6 TH 30A L H FISCH

PHIL 412 SEMINAR IN SOCIAL PHILOSOPHY.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
TOPIC--RECENT POLITICAL PHILOSOPHY.
04887 LECT-DISC 3-5 TU 30B L H COHEN

PHIL 413 LOGICAL THEORY.
PREREQUISITE--A COURSE IN LOGIC OR CONSENT OF INSTRUCTOR.
1 UNIT
04888 LECT-DISC 730-930PM W 171 L H TURGOETTE

PHIL 415 SEMINAR IN METAPHYSICS.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
04889 LECT-DISC 730-930PM TU 30[illegible] L H LINSKY

PHIL 417 PHILOSOPHY AND METHODS OF SCIENCE.
1 UNIT
TOPIC--THE METHODOLOGY OF THE SOCIAL SCIENCES.
04890 LECT-DISC 3-5 M 30[illegible] L H AGASSI

PHIL 421 SEMINAR IN CONTEMPORARY PROBLEMS.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
04891 LECT-DISC 730-930PM TH 3[illegible] L H

PHIL 422 SEMINAR IN CONTEMPORARY PROBLEMS.
*MAY BE REPEATED FOR CREDIT.
*1 UNIT
TOPIC--RECENT MORAL PHILOSOPHY.
04892 LECT-DISC 730-930PM W 3[illegible] L H [illegible]

PHIL 483 INDIVIDUAL TOPICS.
*NOT MORE THAN 1 UNIT MAY BE COUNTED TOWARD M.A. DEGREE AND NOT MORE THAN 2 TOWARD PH. D.
*1/2 OR 1 UNIT, SUMMER--1/2 TO 2 UNITS
04893 CONF & ARR STAFF

PHIL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
04894 CONF & ARR STAFF

PHYSICAL EDUCATION FOR MEN

MEN ENTERING THE UNIVERSITY WITH LESS THAN SIXTY SEMESTER HOURS OF CREDIT--EXCEPT VETERANS WHO RECEIVE CREDIT BECAUSE OF MILITARY SERVICE, BUT WHO MAY ELECT TO TAKE PHYSICAL EDUCATION--ARE REQUIRED TO OBTAIN CREDIT FOR FOUR SEMESTERS OF PHYSICAL EDUCATION, INCLUDING THE AMOUNT TRANSFERRED. ONE OF THE COURSES MUST BE PEM 100, WHICH WILL BE TAKEN IN THE FRESHMAN YEAR. CREDIT MAY BE OBTAINED BY PASSING COURSES LISTED BELOW OR BY PASSING PROFICIENCY EXAMINATION WHICH ARE OFFERED AT TIMES SPECIFIED BY THE DEPARTMENT. PERMITS FOR TAKING PROFICIENCY EXAMINATIONS MUST BE SECURED IN ROOM 201 MENS OLD GYMNASIUM NOT LATER THAN 48 HOURS PRECEDING EACH EXAMINATION. STUDENTS ARE NOT PERMITTED TO TAKE PROFICIENCY EXAMINATIONS IN COURSES IN WHICH THEY ARE CURRENTLY REGISTERED. STUDENTS ENROLLED IN PRESCRIBED EXERCISE ARE NOT PERMITTED TO TAKE PROFICIENCY EXAMINATIONS WITHOUT SPECIAL WRITTEN PERMISSION FROM THE COORDINATOR OF PRESCRIBED EXERCISE.

OFFICE FOR BASIC INSTRUCTION COURSES--201 MENS OLD GYMNASIUM.

OFFICE FOR PROFESSIONAL COURSES--119 HUFF GYMNASIUM.

BASIC-INSTRUCTION COURSES FOR UNDERGRADUATES

P E M 100 FOUNDATIONS OF PHYSICAL ACTIVITY.
1 HOUR
EACH STUDENT MUST REGISTER IN ONE LECTURE SECTION AND ONE LAB SECTION.

04895	LECT	11B	11		TU	100	M M B	
04896	LECT	1B	1		TU	114	D K H	
04897	LECT	8C	8		W	100	M M B	
04898	LECT	10C	10		W	114	D K H	
04899	LECT	2C	2		W	114	D K H	
04900	LECT	4C	4		W	100	M M B	
04901	LECT	9C	9		TH	151	E E B	
04902	LECT	3D	3		TH	114	D K H	
04903	LECT	4D	4		TH	100	M M B	
04904	LAB	A1	8	M	F	310	MOG	BALC
04905	LAB	A2	8	M	F	312W	MOG	
04906	LAB	B1	9	M	F	310	MOG	BALC
04907	LAB	B2	9	M	F	312W	MOG	
04908	LAB	C1	10	M	F	310	MOG	BALC
04909	LAB	C2	10	M	F	312W	MOG	
04910	LAB	C3	10	M	F	100	H G	
04911	LAB	C4	10	M	F	100	H G	
04912	LAB	D1	11	M	F	310	MOG	BALC
04913	LAB	D2	11	M	F	312W	MOG	
04914	LAB	D3	11	M	F	100	H G	
04915	LAB	D4	11	M	F	100	H G	
04916	LAB	E1	12	M	F	310	MOG	BALC
04917	LAB	E2	12	M	F	312W	MOG	
04918	LAB	F1	1	M	F	310	MOG	BALC
04919	LAB	F2	1	M	F	312W	MOG	
04920	LAB	G1	2	M	F	310	MOG	BALC
04921	LAB	G2	2	M	F	312W	MOG	
04922	LAB	G3	2	M	F	100	H G	
04923	LAB	G4	2	M	F	100	H G	
04924	LAB	H1	3	M	F	310	MOG	BALC
04925	LAB	H2	3	M	F	312W	MOG	
04926	LAB	H3	3	M	F	100	H G	
04927	LAB	H4	3	M	F	100	H G	
04928	LAB	J1	4	M	F	310	MOG	BALC
04929	LAB	J2	4	M	F	312W	MOG	
04930	LAB	L1	8		TU TH	310	MOG	BALC
04931	LAB	L2	8		TU TH	312W	MOG	
04932	LAB	M1	9		TU TH	310	MOG	BALC
04933	LAB	M2	9		TU TH	312W	MOG	
04934	LAB	N1	10		TU TH	310	MOG	BALC
04935	LAB	N2	10		TU TH	312W	MOG	
04936	LAB	N3	10		TU TH	100	H G	
04937	LAB	N4	10		TU TH	100	H G	

P E M100 CONTINUED

04938	LAB	O1	11	TU TH	310	MOG BALC
04939	LAB	O2	11	TU TH	312W MOG	
04940	LAB	O3	11	TU TH	100 H G	
04941	LAB	O4	11	TU TH	100 H G	
04942	LAB	P1	12	TU TH	310 MOG BALC	
04943	LAB	P2	12	TU TH	312W MOG	
04944	LAB	Q1	1	TU TH	310 MOG BALC	
04945	LAB	Q2	1	TU TH	312W MOG	
04946	LAB	Q3	1	TU TH	100 H G	
04947	LAB	Q4	1	TU TH	100 H G	
04948	LAB	R1	2	TU TH	310 MOG BALC	
04949	LAB	R2	2	TU TH	312W MOG	
04950	LAB	R3	2	TU TH	100 H G	
04951	LAB	R4	2	TU TH	100 H G	
04952	LAB	S1	3	TU TH	310 MOG BALC	
04953	LAB	S2	3	TU TH	312W MOG	
04954	LAB	S3	3	TU TH	100 H G	
04955	LAB	S4	3	TU TH	100 H G	
04956	LAB	T1	4	TU TH	310 MOG BALC	
04957	LAB	T2	4	TU TH	312W MOG	

P E M 101 PRESCRIBED EXERCISE.

PREREQUISITE--ASSIGNMENT BY THE HEALTH SERVICE.
STUDENTS MAY ACCUMULATE 4 HOURS.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

04958	LAB	A1	8	M W F	106	MOG ANNEX
04959	LAB	B1	9	M W F	106	MOG ANNEX
04960	LAB	C1	10	M W F	106	MOG ANNEX
04961	LAB	D1	11	M W F	106	MOG ANNEX
04962	LAB	F1	1	M W F	106	MOG ANNEX
04963	LAB	G1	2	M W F	106	MOG ANNEX
04964	LAB	*N1	10	TU TH	106	MOG ANNEX
04965	LAB	*R1	2	TU TH	106	MOG ANNEX
04966	LAB	*S1	3	TU TH	106	MOG ANNEX
04967	LAB	X	ARR		REHAB CENTER	

P E M 105 WEIGHT CONTROL.

PREREQUISITE--APPROVAL OF DEPARTMENT AT REGISTRATION.
1 HOUR

04968	LAB	H	3	M W F	312SE MOG	

P E M 106 DEVELOPMENTAL ACTIVITIES.

1 HOUR

04969	LAB	A	9	M F	ARMORY FLOOR	
		B	9	W	75 H G	
04970	LAB	D	11	M W F	ARMORY FLOOR	

P E M 107 BEGINNING SWIMMING.

PREREQUISITE--NON-SWIMMER.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

04971	LAB	B	9	M W F	212	MOG POOL
04972	LAB	C	10	M W F	212	MOG POOL
04973	LAB	D	11	M W F	212	MOG POOL
04974	LAB	F	1	M W F	212	MOG POOL
04975	LAB	H	3	M W F	212	MOG POOL
04976	LAB	*M	9	TU TH	212	MOG POOL
04977	LAB	*O	11	TU TH	212	MOG POOL
04978	LAB	*S	3	TU TH	212	MOG POOL

P E M 108 INTERMEDIATE SWIMMING.

PREREQUISITE--INABILITY TO SWIM IN GOOD FORM 25 YARDS OR MORE.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

04979	LAB	A	8	M W F	212	MOG POOL
04980	LAB	H1	3	M W F	112	MOG POOL
04981	LAB	J	4	M W F	212	MOG POOL
04982	LAB	*L	9	TU TH	212	MOG POOL
04983	LAB	*N	10	TU TH	212	MOG POOL
04984	LAB	*O1	11	TU TH	112	MOG POOL
04985	LAB	*S1	3	TU TH	112	MOG POOL
04986	LAB	*T	4	TU TH	212	MOG POOL

P E M 109 AQUATIC SPORTS.
PREREQUISITE--ABILITY TO SWIM 100 YARDS WITH EASE.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD
FOLLOWING THE COURSE HOUR.

[illegible]	LAB	A	4	M W F	112	H G POOL
[illegible]	LAB	*L	4	TU TH	112	H G POOL
[illegible]	LAB	*M	4	TU TH	112	H G POOL
04990	LAB	*N	10	TU TH	112	H G POOL

P E M 110 LIFE SAVING.
PREREQUISITE--ABILITY TO SWIM THREE STROKES 100 YARDS EACH.
1 HOUR

04991	LAB	C	10	M W F	112	H G POOL
04992	LAB	D	11	M W F	112	H G POOL
04993	LAB	F	1	M W F	112	H G POOL

P E M 111 WATER SAFETY. A. R. C. INSTRUCTOR TRAINING.
PREREQUISITE--CURRENT RED CROSS LIFE SAVING CERTIFICATE.
1 HOUR
*SECTION L MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD
FOLLOWING THE COURSE HOUR.

04994	LAB	H	4	M W F	112	H G POOL
04995	LAB	*L	1	TU TH	112	H G POOL

P E M 112 TUMBLING AND FREE EXERCISE.
1 HOUR

04996	LAB	B	9	M W F	312NE	MOG
04997	LAB	C	10	M W F	312NE	MOG
04998	LAB	D	11	M W F	312NE	MOG

P E M 114 APPARATUS STUNTS.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH A FREE
PERIOD FOLLOWING THE COURSE HOUR.

04999	LAB	*N	10	TU TH	312SE	MOG
05000	LAB	*O	11	TU TH	312SE	MOG

P E M 115 TRAMPOLINE AND DOUBLES TUMBLING.
1 HOUR
*SECTION M MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH A FREE
PERIOD FOLLOWING THE COURSE HOUR.

05001	LAB	H	3	M W F	312NE	MOG
05002	LAB	*M	9	TU TH	312NE	MOG

P E M 116 BASIC MOVEMENT.
SAME AS P. E. W. 100.
PREREQUISITE--MUSIC MAJOR.
1 HOUR

05003	LAB	D	11	M W F	10	W GYM

P E M 118 WRESTLING.
1 HOUR
*SECTIONS N AND R MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING
THE COURSE HOUR.

05004	LAB	G	2	M W F	115	MOG ANNEX
05005	LAB	H	3	M W F	115	MOG ANNEX
05006	LAB	*N	10	TU TH	115	MOG ANNEX
05007	LAB	*R	2	TU TH	115	MOG ANNEX

P E M 119 FOIL FENCING.
1 HOUR

05008	LAB	B	9	M W F	302	H G
05009	LAB	C	10	M W F	302	H G
05010	LAB	D	11	M W F	302	H G

P E M 120 PERSONAL DEFENSE ACTIVITIES.

1 HOUR

*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING
THE COURSE HOUR.

05011	LAB	C	10	M W F	115	MOG ANNEX
05012	LAB	D	11	M W F	115	MOG ANNEX
05013	LAB	F	1	M W F	115	MOG ANNEX
05014	LAB	*C	11	TU TH	115	MOG ANNEX
05015	LAB	*G	1	TU TH	115	MOG ANNEX

P E M 123 WEIGHT TRAINING

1 HOUR

*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING
THE COURSE HOUR.

05016	LAB	A	9	M W F	114	MOG ANNEX
05017	LAB	B	9	M W F	114	MOG ANNEX
05018	LAB	C	10	M W F	114	MOG ANNEX
05019	LAB	D	11	M W F	114	MOG ANNEX
05020	LAB	G	2	M W F	114	MOG ANNEX
05021	LAB	H	3	M W F	114	MOG ANNEX
05022	LAB	J	4	M W F	114	MOG ANNEX
05023	LAB	*A	10	TU TH	114	MOG ANNEX
05024	LAB	*C	11	TU TH	114	MOG ANNEX
05025	LAB	*S	3	TU TH	114	MOG ANNEX
05026	LAB	*T	4	TU TH	114	MOG ANNEX

P E M 124 TRACK AND FIELD ATHLETICS.

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE
LAST EIGHT WEEKS OF THE SEMESTER. INSTRUCTION BEGINS ON
MONDAY, APRIL 5.

05027	LAB	HH	3-5	M W	EAST HILL FIELD
05028	LAB	SS	3-5	TU TH	EAST HILL FIELD

NOTE--FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY MENS OLD
GYM ANNEX.

P E M 128 SOCCER.

1 HOUR

*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING
THE COURSE HOUR.

05029	LAB	C	10	M W F	FLD A H G
05030	LAB	D	11	M W F	FLD A H G
05031	LAB	*C	11	TU TH	FLD A H G
05032	LAB	*S	3	TU TH	FLD A H G

NOTE--FIRST CLASS MEETING WILL BE IN EAST BALCONY, HUFF GYM.

P E M 129 VOLLEYBALL.

1 HOUR

*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING
THE COURSE HOUR.

05033	LAB	A	9	M W F	[illegible]	MOG ANNEX
05034	LAB	B	9	M W F	[illegible]	MOG ANNEX
05035	LAB	H	3	M W F	[illegible]	MOG ANNEX
05036	LAB	*A	10	TU TH	105E	MOG ANNEX
05037	LAB	*C	11	TU TH	[illegible]	MOG ANNEX
05038	LAB	*G	1	TU TH	[illegible]	MOG ANNEX
05039	LAB	*S	3	TU TH	105E	MOG ANNEX
05040	LAB	*T	4	TU TH	105E	MOG ANNEX

P E M 130 BASKETBALL.

PREREQUISITE--NO PLAYING EXPERIENCE IN INTERMURAL BASKETBALL.

1 HOUR

05041	LAB	C	10	M W F	[illegible]	MOG ANNEX
05042	LAB	D	11	M W F	[illegible]	MOG ANNEX
05043	LAB	G	2	M W F	[illegible]	MOG ANNEX

P E M 132 ARCHERY.

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE
LAST EIGHT WEEKS OF THE SEMESTER. INSTRUCTION BEGINS ON
MONDAY, APRIL 5.

05044	LAB	FF	1-3	M W	ARCHERY RANGE
05045	LAB	GG	1-3	TU TH	ARCHERY RANGE

NOTE--FIRST CLASS MEETING IN EAST BALCONY, MENS OLD GYM ANNEX.

P E M 133 SQUASH RACQUETS.

1 HOUR

05046	LAB	H	3	M W F	84 H G

P E M 134 HANDBALL.

1 HOUR

*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05047	LAB	A	8	M W F	84 H G
05048	LAB	B	9	M W F	84 H G
05049	LAB	C	10	M W F	84 H G
05050	LAB	*L	8	TU TH	84 H G
05051	LAB	*M	9	TU TH	84 H G
05052	LAB	*N	10	TU TH	84 H G
05053	LAB	*O	11	TU TH	84 H G

P E M 135 TENNIS.

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST EIGHT WEEKS OF THE SEMESTER. INSTRUCTION BEGINS ON MONDAY, APRIL 5.

05054	LAB	BB	9-11	M W	H G CTS
05055	LAB	CC	10-12	M W	GREGORY CTS
05056	LAB	DD	11-1	M W	H G CTS
05057	LAB	EE	12-2	M W	GREGORY CTS
05058	LAB	GG	2-4	M W	GREGORY CTS
05059	LAB	MM	9-11	TU TH	H G CTS
05060	LAB	NN	10-12	TU TH	GREGORY CTS
05061	LAB	OO	11-1	TU TH	H G CTS
05062	LAB	QQ	1-3	TU TH	GREGORY CTS

NOTE--FIRST CLASS MEETING WILL BE HELD IN NORTH BALCONY HUFF GYM.

P E M 136 BADMINTON.

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST EIGHT WEEKS OF THE SEMESTER. INSTRUCTION BEGINS ON MONDAY, APRIL 5.

05063	LAB	AA	9-10	M W	100 H G
05064	LAB	CC	10-12	M W	120N ICE RINK
05065	LAB	FF	1-3	M W	120N ICE RINK
05066	LAB	LL	8-10	TU TH	100 H G

P E M 137 BOWLING.

1 HOUR

THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.
*SECTIONS C, D, N, AND O ARE CO-EDUCATIONAL.

05073	LAB	*C	10	M W	40 IU ALLEYS
05074	LAB	*D	11	M W	40 IU ALLEYS
05067	LAB	L	8	TU TH	40 IU ALLEYS
05068	LAB	L1	8	TU TH	40 IU ALLEYS
05069	LAB	M	9	TU TH	40 IU ALLEYS
05070	LAB	M1	9	TU TH	40 IU ALLEYS
05075	LAB	*N	10	TU TH	40 IU ALLEYS
05071	LAB	N1	10	TU TH	40 IU ALLEYS
05076	LAB	*O	11	TU TH	40 IU ALLEYS
05072	LAB	O1	11	TU TH	40 IU ALLEYS

P E M 138 GOLF.

1 HOUR

THESE CLASSES MEET TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST EIGHT WEEKS OF THE SEMESTER. INSTRUCTION BEGINS ON MONDAY, APRIL 5.

05077	LAB	BB	9-11	M W	FLD C H G
05078	LAB	CC	10-12	M W	FLD C H G
05079	LAB	DD	11-1	M W	FLD C H G
05080	LAB	MM	9-11	TU TH	FLD C H G
05081	LAB	NN	10-12	TU TH	FLD C H G
05082	LAB	OO	11-1	TU TH	FLD C H G

NOTE--FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY, HUFF GYM.

P E M 140 CANOEING AND SMALL CRAFT OPERATION.
PREREQUISITE--ABILITY TO SWIM REASONABLY WELL 25 YARDS.
1 HOUR
CLASS MEETS TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST EIGHT WEEKS OF SEMESTER. INSTRUCTION BEGINS ON MONDAY, APRIL 5.

05083	LAB	HH	3-5	M W	CRYSTAL LAKE
05084	LAB	SS	3-5	TU TH	CRYSTAL LAKE

NOTE--FIRST CLASS MEETING WILL BE HELD IN NORTH BALCONY, MOG ANNEX.

P E M 142 BALLROOM DANCE.
SAME AS P.E.W. 142.
1 HOUR
THIS COURSE MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05085	LAB	M	9	TU TH	302	H G
05086	LAB	N	10	TU TH	302	H G
05087	LAB	O	11	TU TH	302	H G

P E M 143 AMERICAN SQUARE DANCE.
SAME AS P.E.W. 143.
1 HOUR
THIS COURSE MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE COURSE HOUR.

05088	LAB	R	2	TU TH	302	H G

P E M 144 TECHNIQUES IN ANGLING.
SAME AS P.E.W. 144.
1 HOUR
THIS CLASS MEETS TWICE A WEEK FOR ONE HOUR AND 30 MINUTES FOR THE LAST EIGHT WEEKS OF THE SEMESTER. INSTRUCTION BEGINS ON TUESDAY, APRIL 6.

05089	LAB	QQ	1-3	TU TH	120N	ICE RINK

P E M 145 ICE SKATING AND SMALL AREA SPORTS.
SAME AS P.E.W. 145.
1 HOUR
THESE CLASSES MEET MONDAY THROUGH FRIDAY FOR THE FIRST EIGHT WEEKS OF THE SEMESTER.
*SECTIONS B, C, D, F, AND G ARE CO-EDUCATIONAL.

05090	LAB	A	8	MTUWTHF	120N	ICE RINK
05091	LAB	A1	8	MTUWTHF	120N	ICE RINK
05092	LAB	*B	9	MTUWTHF	120N	ICE RINK
05093	LAB	*C	10	MTUWTHF	120N	ICE RINK
05094	LAB	*D	11	MTUWTHF	120N	ICE RINK
05095	LAB	*F	1	MTUWTHF	120N	ICE RINK
05096	LAB	*G	2	MTUWTHF	120N	ICE RINK

PROFESSIONAL COURSES FOR UNDERGRADUATES

P E M 150 PROFESSIONAL ORIENTATION.
2 HOURS

05097	LECT-DISC	N1	10	TU THF	209	H G	KELLER
05098	LECT-DISC	N2	10	TU TH	207	H G	POLLOCK
		N2	10	F	209	H G	

P E M 151 BEGINNING BASKETBALL.
2 HOURS
FIRST HALF OF SEMESTER.

05099	LAB-DISC	A1	8-10	MTUWTHF	100	H G	FLETCHER
05100	LAB-DISC	A2	8-10	MTUWTHF	100	H G	BRAUN

NOTE--FIRST CLASS MEETING WILL BE IN WEST BALCONY H G.

P E M 152 BEGINNING FOOTBALL.
2 HOURS
SECOND HALF OF SEMESTER.
FIRST CLASS MEETING IN WEST BALCONY, HUFF GYMNASIUM.

05101	LAB-DISC	A1	8-10	MTUWTHF	FLD A	H G	ELIOT
05102	LAB-DISC	A2	8-10	MTUWTHF	FLD A	H G	INGWERSEN

P E M 153 FITNESS PROGRAMS.
PREREQUISITE--CONCURRENT REGISTRATION IN PEM 154.
2 HOURS
FIRST CLASS MEETING, BOTH SECTIONS, 302 HUFF GYM.

05103	LAB-DISC	F1	1	MTUWTHF	302 H G		KELLER
05104	LAB-DISC	F2	1	MTUWTHF	312NE MOG		POLLOCK

P E M 154 SWIMMING.
PREREQUISITE--CONCURRENT REGISTRATION IN P E M 153, EXCEPT FOR RECREATION MAJORS.
2 HOURS
•SECTION G2 IS FOR BEGINNERS. NON-SWIMMERS SHOULD SIGN UP FOR P.E.M. 107.
FIRST CLASS MEETING, BOTH SECTIONS, 112 B HUFF GYM POOL BALCONY.

05105	LAB-DISC	G1	2	MTUWTHF	112 H G POOL		PATERSON
05106	LAB-DISC	•G2	2	MTUWTHF	212 MOG POOL		KLINGEL

P E M 155 GYMNASTICS.
1 HOUR
FIRST HALF OF SEMESTER.

05107	LAB-DISC	A	8	MTUWTHF	312NE MOG		POND

P E M 156 WRESTLING.
1 HOUR
FIRST HALF OF SEMESTER.

05108	LAB-DISC	B	9	MTUWTHF	115 MOG ANNEX		PATTERSON

P E M 157 TRACK AND FIELD.
1 HOUR
SECOND HALF OF SEMESTER.
FIRST CLASS MEETING WILL BE IN ROOM 202 MOG.

05109	LAB-DISC	B	8-10	TU TH	EAST ILL FIELD		POWELL
		B	8-10	F	202 M O G		POWELL

P E M 158 BASEBALL.
1 HOUR
NOTE--FIRST CLASS MEETING WILL BE IN ROOM 202 MOG
SECOND HALF OF SEMESTER.

05110	LAB-DISC	A	8-10	M W	BASEBALL DIA		EILBRACHT
		A	8-10	F	202 M O G		EILBRACHT

P E M 166 ELEMENTARY SCHOOL GAMES.
SAME AS P.E.W. 166.
3 HOURS

05111	LAB-DISC	N	9-11	TU TH	11 W GYM		

PROFESSIONAL COURSES FOR ADVANCED UNDERGRADUATES

P E M 204 ORGANIZATION OF PHYSICAL EDUCATION.
SAME AS P.E.W. 204.
PREREQUISITE--SENIOR STANDING IN PHYSICAL EDUCATION.
3 HOURS
THIS COURSE WILL NOT MEET DURING THE SIX WEEKS STUDENT TEACHING PERIOD.

05112	LECT-DISC	F	1	MTUWTHF	207A H G		POHNDORF
05113	LECT-DISC	G	2	MTUWTHF	143 ARMORY		KENNEY

P E M 205 TESTS AND MEASUREMENTS IN HEALTH, PHYSICAL EDUCATION AND RECREATION.
3 HOURS
•SIX ADDITIONAL LABORATORY SESSIONS 3-5 P.M. M. OR 7-9 P.M. TU.
THIS COURSE WILL NOT MEET DURING THE SIX WEEKS STUDENT TEACHING PERIOD.

05114	LECT-DISC	C	•10	MTUWTHF	300 H G		
05115	LECT-DISC	D	•11	MTUWTHF	300 H G		POHNDORF

P E M 206 KINESIOLOGY.
PREREQUISITE--PHYSL. 103 AND 234.
3 HOURS

05116	LAB-DISC	C	10	MTUWTH	202 M O G		POWELL
05117	LAB-DISC	G	2	MTUWTH	202 M O G		SHELTON

P E M 207 PREVENTION AND CARE OF ATHLETIC INJURIES.
PREREQUISITE--PHYSL. 103 AND PHYSL. 234.
2 HOURS
05118 LAB-DISC W 10 TU TH 540 H G MISSLEITE

P E M 208 THEORY OF PRESCRIBING EXERCISE.
PREREQUISITE--PHYSL. 103 AND 234.
3 HOURS
*THREE ADDITIONAL HOURS TO BE ARRANGED.
05119 LAB-DISC C *11 TU TH 202 M O G SHELTON

P E M 209 HISTORY OF SPORT.
SAME AS P.E.W. 209.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS
05120 LAB-DISC D 11 M W F 209 H G MOORE

P E M 210 INSPECTION TRIP.
3 DAYS--ESTIMATED EXPENSE, $25.
NO CREDIT
05121 LAB-DISC ARR KELLER, POLLOCK

P E M 213 ADVANCED FOOTBALL.
PREREQUISITE--P.E.M. 152.
1 HOUR
SECOND HALF OF SEMESTER.
05122 LAB-DISC D 11 M W F 207A H G ELLIOTT

P E M 214 ADVANCED BASKETBALL.
PREREQUISITE--P.E.M. 151.
1 HOUR
FIRST HALF OF SEMESTER.
05123 LAB-DISC D 11 M W F 207A H G COMBES

P E M 220 PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER.
SAME AS P.E.W. 220.
PREREQUISITE--JUNIOR STANDING, AND A NON-PHYSICAL EDUCATION STUDENT.
2 HOURS
*SECTIONS G1 AND H1 FOR GRADES K-2.
*SECTIONS G2 AND H2 FOR GRADES 3-6.
05124 LECT-DISC *G1 2 M W F 11 E B
05126 LECT-DISC *G2 2 M W F 218 E B GYM
05125 LECT-DISC *H1 3 M W F 11 E B
05127 LECT-DISC *H2 3 M W F 218 E B GYM

P E M 225 SUPERVISED EXPERIENCES IN PHYSICAL EDUCATION.
PREREQUISITE--JUNIOR STANDING.
NO CREDIT
THE FIRST MEETING OF THE COURSE WILL BE MONDAY, SEPTEMBER 21,
1964, 7 P.M., ROOM 202 MOG.
05128 LAB-DISC ARR 202 M O G POWELL

P E M 250 SPECIAL PROBLEMS.
SAME AS H. ED., P.E.W., AND REC. 250.
PREREQUISITE--JUNIOR OR SENIOR STANDING--MINIMUM GRADE POINT AVERAGE
OF 3.5--CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL OF
DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS OF CREDIT.
*2 OR 3 HOURS
05129 LAB-DISC ARR

P E M 260 HONORS SEMINAR.
SAME AS H. ED., P.E.W., AND REC. 260.
PREREQUISITE--JAMES SCHOLARS OR AVERAGE OF 4.0 THE PRECEDING
SEMESTER, WITH CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL
OF DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 6 HOURS OF CREDIT.
*2 HOURS
05130 LECT-DISC ARR

P E M 271 ORGANIZATION OF SPORTS PROGRAMS.
3 HOURS
05131 LECT-DISC B 10 M W 209 H G JACKSON
B 10 F 207 H G JACKSON

P E M 272 ORGANIZATION OF AQUATIC PROGRAMS.
2 HOURS
05132 LECT-DISC M 9 TU TH 207A H G POHNDORF

PHYSICAL EDUCATION

DEPARTMENT OFFICE 121 HUFF GYM

COURSES FOR GRADUATES

P E 401 PROBLEMS IN PHYSICAL EDUCATION.
1 UNIT
05133 LECT-DISC J 4-6 M 207B W GYM HUELSTER

P E 406 PHILOSOPHY OF SPORT.
1 UNIT
05134 LECT-DISC G 1-3 TU 209 H G ZEIGLER

P E 408 PRINCIPLES OF KINESIOTHERAPY.
PREREQUISITE--ANATOMY, PHYSIOLOGY, KINESIOLOGY, AND
PHYSIOLOGY OF EXERCISE, OR CONSENT OF INSTRUCTOR.
1 UNIT
*THREE ADDITIONAL HOURS IN EXERCISE THERAPY CLINIC 3-6 MWF AFTERNOON
05135 LECT-DISC M *9 TU TH 202 M O G SHELTON

P E 452 SCIENTIFIC ANALYSIS OF PHYSICAL EDUCATION ACTIVITIES.
PREREQUISITE--ANATOMY, PHYSIOLOGY, KINESIOLOGY, ELEMENTARY PHYSICS,
ALGEBRA AND TRIGONOMETRY, OR CONSENT OF INSTRUCTOR.
1 UNIT
*TWO ADDITIONAL HOURS 2-4 WEDNESDAY OR ARRANGE.
05136 LECT-DISC J *4-6 W 209 H G CURETON

P E 490 SEMINAR.
NO CREDIT
05137 LECT-DISC 4-6 TH 209 H G CURETON,
ZEIGLER

P E 493 SPECIAL PROJECTS.
PREREQUISITE--DOCTORAL CANDIDATE.
1/2 OR 1 UNIT
05138 LECT-DISC ARR STAFF

P E 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
05139 CONF ARR STAFF

PHYSICAL EDUCATION FOR WOMEN

DEPARTMENT OFFICE 117 W GYM

FRESHMEN AND SOPHOMORES--OF THE FOUR SEMESTERS REQUIRED IN PHYSICAL EDUCATION, THE DEPARTMENT REQUIRES ONE SEMESTER OF BASIC MOVEMENT-PEW 100, WHICH WILL BE TAKEN IN THE FRESHMAN YEAR AND RECOMMENDS ONE SEMESTER OF SWIMMING--P E W 110 OR 111. ANY COURSE NOT PREVIOUSLY TAKEN MAY BE TAKEN IN THE TWO REMAINING SEMESTERS.

SERVICE COURSES FOR UNDERGRADUATES

P E W 100 BASIC MOVEMENT.
SAME AS P. E. M. 116.
PREREQUISITE--MUSIC MAJOR.
1 HOUR
*SECTION A, MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING CLASS.
*SECTIONS J, N, N1, P, P1, Q MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.
*SECTION D SAME AS P.E.M. 116, FOR MUSIC MAJORS ONLY.

05147	LAB	*A	8	M W	311	W GYM
05140	LAB	B	9	M W F	218	E B GYM
05141	LAB	B1	9	M W F	26	E B GYM
05142	LAB	C	10	M W F	218	E B GYM
05146	LAB	*D	11	M W F	10	W GYM
05143	LAB	D1	11	M W F	26	E B GYM
05144	LAB	D2	11	M W F	218	E B GYM
05145	LAB	I	4	M W F	218	E B GYM
05148	LAB	*J	5	M W	311	W GYM
05149	LAB	*N	9	TU TH	218	E B GYM
05150	LAB	*N1	9	TU TH	26	E B GYM
05151	LAB	*P	11	TU TH	218	E B GYM
05152	LAB	*P1	11	TU TH	26	E B GYM
05153	LAB	*Q	12	TU TH	311	W GYM

P E W 101 PRESCRIBED EXERCISE.
PREREQUISITE--RECOMMENDATION FROM DEPARTMENT OR HEALTH SERVICE.
1 HOUR
*SECTION X IS FOR PARAPLEGIC AND HANDICAPPED STUDENTS.
*SECTION O MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS.

05154	LAB	B	9	M W F	215	W GYM
		B	9	M W F	210C	W GYM
05155	LAB	D	11	M W F	215	W GYM
		D	11	M W F	210C	W GYM
05156	LAB	F	1	M W F	215	W GYM
		F	1	M W F	210C	W GYM
05157	LAB	*X	4	M W F	116	E B POOL
05158	LAB	*O	10	TU TH	215	W GYM
		*C	10	TU TH	210C	W GYM

P E W 102 MODIFIED ACTIVITIES.
PREREQUISITE--RECOMMENDATION FROM DEPARTMENT OR HEALTH SERVICE.
1 HOUR
*SECTIONS P,T, AND U MEET TWICE A WEEK FOR FORTY-FIVE MINUTES, REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS.

05159	LAB	P	11	TU TH	215	W GYM
05160	LAB	T	3	TU TH	215	W GYM
05161	LAB	U	4	TU TH	215	W GYM

P E W 104 MODERN DANCE.
PREREQUISITE--P.E.W. 100 OR EQUIVALENT.
1 HOUR
*SECTIONS N AND P MEET FOR FORTY-FIVE MINUTES TWICE A WEEK. REGISTRATION IS LIMITED TO STUDENTS HAVING FREE PERIOD FOLLOWING THE CLASS.

05162	LAB	C	10	M W F	311	W GYM
05163	LAB	*N	9	TU TH	310	W GYM
05164	LAB	*P	11	TU TH	311	W GYM

P E W 107 MODERN GYMNASTICS.
PREREQUISITE--P.E.W. 100 OR EQUIVALENT.
1 HOUR
*SECTION O MEETS FOR FORTY-FIVE MINUTES TWICE A WEEK.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.
*SECTION M MEETS ON THE HOUR FOR FORTY-FIVE MINUTES AND IS DIS
MISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05166	LAB	*M	8	TU TH	311	W GYM
05165	LAB	*O	10	TU TH	311	W GYM

P E W 110 ELEMENTARY SWIMMING.
1 HOUR
*SECTION I IS FOR STUDENTS AFRAID OF WATER.
*SECTION N MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE
PERIOD FOLLOWING THE CLASS.

05167	LAB	A	8	M W	116	E B POOL
05168	LAB	B	9	M W F	116	E B POOL
05169	LAB	E	12	M W F	116	E B POOL
05170	LAB	F	1	M W F	116	E B POOL
05171	LAB	I	4	M W F	116	E B POOL
05172	LAB	N	9	TU TH	116	E B POOL

P E W 111 SUB-INTERMEDIATE SWIMMING.
1 HOUR
ALL SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION
IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS.

05173	LAB	C	10	M W	116	E B POOL
05174	LAB	D	11	M W	116	E B POOL
05175	LAB	G	2	M W	116	E B POOL
05176	LAB	H	3	M W	116	E B POOL
05177	LAB	J	5	M W	116	E B POOL
05178	LAB	S	10	TU TH	116	E B POOL
05179	LAB	Q	12	TU TH	116	E B POOL
05180	LAB	R	1	TU TH	116	E B POOL
05181	LAB	S	2	TU TH	116	E B POOL
05182	LAB	T	3	TU TH	116	E B POOL
05183	LAB	U	4	TU TH	116	E B POOL
05184	LAB	V	5	TU TH	116	E B POOL
05185	LAB	W	6	TU TH	116	E B POOL

P E W 112 INTERMEDIATE SWIMMING.
1 HOUR
*SECTION P MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION
IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05186	LAB	*P	11	TU TH	116	E B POOL

P E W 114 LIFE SAVING.
PREREQUISITE--P E W 112 OR EQUIVALENT.
1 HOUR

05187	LAB	C	10-12	F	116	E B POOL
05188	LAB	A	8-10	S	116	E B POOL

P E W 115 SYNCHRONIZED SWIMMING.
PREREQUISITE--P.E.W. 112.
1 HOUR
*SECTION A MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING
ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE
FOLLOWING CLASS.

05189	LAB	A	8	TU TH	116	E B POOL

P E W 116 DIVING.
PREREQUISITE--P.E.W. 112 OR CONSENT OF INSTRUCTOR.
1 HOUR
*THIS CLASS MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION
IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05190	LAB	*X	715-8PM	TU TH	112	H G POOL

P E W 117 WATER SAFETY.
PREREQUISITE--SENIOR AMERICAN RED CROSS LIFE SAVING CERTIFICATE
OR EQUIVALENT.
1 HOUR

05191	LAB	S	2-4	F	116	E B POOL
05192	LAB	L	7-9PM	W	116	E B POOL

P E W 121 LACROSSE.

1 HOUR

05193	LAB	B	9	M	W	F	310	W GYM
05194	LAB	E	12	M	W	F	310	W GYM
05195	LAB	G	2	M	W	F	EAST FIELD W GYM	

P E W 123 BASKETBALL.

1 HOUR

*SECTIONS C AND S MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS. SECTIONS A, M, AND M1 MEET TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND ARE DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING CLASS.

05201	LAB	*A	8	M	W		310	W GYM
05196	LAB	C	10	M	W	F	26	E B GYM
05197	LAB	E	12	M	W	F	26	E B GYM
05198	LAB	F	1	M	W	F	26	E B GYM
05202	LAB	*M	8	TU TH			310	W GYM
05203	LAB	*M1	8	TU TH			26	E B GYM
05199	LAB	*C	10	TU TH			26	E B GYM
05200	LAB	*S	2	TU TH			26	E B GYM

P E W 124 VOLLEYBALL.

1 HOUR

*SECTIONS O, Q, AND T1 MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIODS FOLLOWING THE CLASS HOUR.

*SECTION A MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05209	LAB	*A	8	M	W		26	E B GYM
05204	LAB	E	12	M	W	F	218	E B GYM
05206	LAB	*C	10	TU TH			218	E B GYM
05207	LAB	*Q	12	TU TH			218	E B GYM
05205	LAB	T	3	TU TH			218	E B GYM
05208	LAB	*T1	3	TU TH			26	E B GYM

P E W 125 SOFTBALL.

1 HOUR

*SECTIONS R, S AND U MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS HOUR.

05210	LAB	F	1	M	W	F	311	W GYM
05211	LAB	R	1	TU TH			311	W GYM
05212	LAB	S	2	TU TH			311	W GYM
05213	LAB	U	4	TU TH			310	W GYM

P E W 130 BADMINTON.

1 HOUR

*SECTIONS Q, R, AND U MEET TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05214	LAB	G	2	M	W	F	26	E B GYM
05215	LAB	H	3	M	W	F	26	E B GYM
05216	LAB	I	4	M	W	F	26	E B GYM
05217	LAB	*Q	12	TU TH			26	E B GYM
05218	LAB	*R	1	TU TH			26	E B GYM
05219	LAB	*U	4	TU TH			26	E B GYM

P E W 131 GOLF.

1 HOUR

*SECTION A AND M MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

*SECTION Q MEETS TWICE A WEEK FOR FORTY-FIVE MINUTES. REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05223	LAB	*A	8	M	W		11	W GYM
05220	LAB	C	11	M	W	F	11	W GYM
05221	LAB	E	12	M	W	F	11	W GYM
05222	LAB	F	1	M	W	F	11	W GYM
05224	LAB	*M	8	TU TH			11	W GYM
05225	LAB	*Q	12	TU TH			11	W GYM

P E W 132 BOWLING.
ALLEY SERVICE CHARGE, $5.
1 HOUR
*THESE SECTIONS MEET TWICE A WEEK FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND ARE DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.
*SECTIONS C, D, O, P ARE COEDUCATIONAL

05226	LAB	A	8	M W	40	I U	ALLEYS
05227	LAB	A1	8	M W	40	I U	ALLEYS
05228	LAB	B	9	M W	40	I U	ALLEYS
05229	LAB	B1	9	M W	40	I U	ALLEYS
05230	LAB	*C	10	M W	40	I U	ALLEYS
05231	LAB	*D	11	M W	40	I U	ALLEYS
05232	LAB	*O	10	TU TH	40	I U	ALLEYS
05233	LAB	*P	11	TU TH	40	I U	ALLEYS

P E W 133 FENCING.
1 HOUR
SECTIONS R AND S MEET TWICE A WEEK FOR FORTY-FIVE MINUTES.
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05234	LAB	G	2	M W F	11	W GYM
05235	LAB	H	3	M W F	11	W GYM
05236	LAB	I	4	M W F	11	W GYM
05237	LAB	*R	1	TU TH	11	W GYM
05238	LAB	*S	2	TU TH	11	W GYM

P E W 135 ARCHERY.
1 HOUR
*SECTIONS P, AND T MEET TWICE A WEEK FOR FORTY-FIVE MINUTES AND ARE LIMITED TO STUDENTS WITH A FREE PERIOD FOLLOWING THE CLASS.

05239	LAB	C	10	M W F	11	W GYM
05240	LAB	*P	11	TU TH	11	W GYM
05241	LAB	*T	3	TU TH	11	W GYM

P E W 136 TENNIS.
1 HOUR
SECTIONS Q, R, AND S MEET TWICE A WEEK FOR FORTY-FIVE MINUTES AND ARE LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05242	LAB	B	9	M W F	311	W GYM
05243	LAB	D	11	M W F	311	W GYM
05244	LAB	E	12	M W F	311	W GYM
05245	LAB	F	1	M W F	310	W GYM
05246	LAB	I	4	M W F	COURTS W GYM	
05247	LAB	*Q	12	TU TH	310	W GYM
05248	LAB	*R	1	TU TH	310	W GYM
05249	LAB	*S	2	TU TH	310	W GYM

P E W 138 TRACK AND FIELD.
1 HOUR
REGISTRATION IS LIMITED TO STUDENTS WITH FREE PERIOD FOLLOWING THE CLASS.

05250	LAB	H	3	M W F	215	W GYM

P E W 140 ADVANCED TENNIS.
PREREQUISITE--P.E.W. 136 OR CONSENT OF INSTRUCTOR.
1 HOUR

05251	LAB	G	2	M W F	COURTSW GYM	

P E W 142 BALLROOM DANCE.
SAME AS P.E.M. 142.
1 HOUR
*SECTIONS N, O, AND P MEET FOR FORTY-FIVE MINUTES STARTING ON THE HOUR AND ARE DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05252	LAB	*N	9	TU TH	302	H G
05253	LAB	*O	10	TU TH	302	H G
05254	LAB	*P	11	TU TH	302	H G

P E W 143 AMERICAN SQUARE DANCE
SAME AS P.E.M. 143.
1 HOUR
*CLASS MEETS FOR FORTY-FIVE MINUTES, STARTING ON THE HOUR AND IS DISMISSED FIFTEEN MINUTES BEFORE THE FOLLOWING HOUR.

05255	LAB	*S	2	TU TH	302	H G

P E W 144 TECHNIQUES IN ANGLING.
SAME AS P.E.M. 144.
1 HOUR
*MEETS FOR SECOND HALF OF SEMESTER ONLY.

05256	LAB	F	1-3	TU TH	120N	ICE RINK

P E W 145 ICE SKATING AND SMALL AREA SPORTS.
SAME AS P.E.M. 145.
1 HOUR

05257	LAB	B	9	MTUWTHF	120S	ICE RINK
05258	LAB	C	10	MTUWTHF	120S	ICE RINK
05259	LAB	D	11	MTUWTHF	120S	ICE RINK
05260	LAB	F	1	MTUWTHF	120S	ICE RINK
05261	LAB	G	2	MTUWTHF	120S	ICE RINK

PROFESSIONAL COURSES FOR UNDERGRADUATES

P E W 150 PROFESSIONAL ORIENTATION.
2 HOURS

05262	LECT-DISC	M	8	TU TH	129	W GYM	HILL

P E W 151 BASIC MOVEMENT AND BODY MECHANICS.
1 HOUR

05263	LAB	N	9	TU TH	311	W GYM	HILL
		N	9	W	11	W GYM	

P E W 153 BASKETBALL AND TRACK AND FIELD.
1 HOUR

05264	LAB	H1	3	M W F	310	W GYM	DEUTSCH
05265	LAB	H2	3	TU THF	310	W GYM	

P E W 155 GYMNASTICS AND APPARATUS II AND TENNIS.
PREREQUISITE--P.E.W. 154 OR CONSENT OF INSTRUCTOR.
1 HOUR

05266	LAB	T	3	TU TH	311	W GYM	SLAUGHTER
		T	4	TU	311	W GYM	

P E W 166 ELEMENTARY SCHOOL GAMES.
SAME AS P.E.M. 166.
3 HOURS

05267	LECT-DISC	N	9-11	TU TH	11	W GYM	DROM

P E W 167 TEACHING OF GYMNASTICS AND DANCE.
PREREQUISITE--P.E.W. 151, DANCE 160 AND 235, OR EQUIVALENT.
2 HOURS

05268	LAB	H1	3	M W F	311	W GYM	STOCKMAN
05269	LAB	H2	3	M W F	129	W GYM	HOYMAN

PROFESSIONAL COURSES FOR ADVANCED UNDERGRADUATES

P E W 204 ORGANIZATION OF PHYSICAL EDUCATION.
SAME AS P.E.M. 204.
PREREQUISITE--SENIOR STANDING IN PHYSICAL EDUCATION.
3 HOURS
*WILL NOT MEET DURING THE TEN-WEEK STUDENT TEACHING PERIOD.

05270	LECT-DISC	F	1	MTUWTHF	129	W GYM	TRICKELL

P E W 205 TESTS AND MEASUREMENTS IN HEALTH, PHYSICAL EDUCATION, AND RECREATION.
PREREQUISITE--JUNIOR OR SENIOR STANDING.
3 HOURS
*WILL NOT MEET DURING THE TEN-WEEK STUDENT TEACHING PERIOD.

05272	LECT-DISC	*B	9-11	MTUWTHF	11	E B	YOUNG
05271	LECT-DISC	D	11	M W F	129	W GYM	LAMBERT

P E W 206 KINESIOLOGY.
PREREQUISITE--PHYSL. 103 AND 234.
3 HOURS

05273	LECT-DISC	R	1-3	TU TH	129	W GYM	[illegible]

P E W 208 THEORY OF PRESCRIBING EXERCISE.
PREREQUISITE--P E W 206.
3 HOURS

05274	LECT-DISC	G	2	M W F	129	W GYM		

P E W 209 HISTORY OF SPORT.
SAME AS P.E.M. 209.
PREREQUISITE--SENIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS

05275	LECT-DISC	F	1	M W F	129	W GYM		HILL

P E W 210 OBSERVATION TRIPS.
TRIPS--ESTIMATED EXPENSE $30.
NO CREDIT

05276	LAB	T	4	TH	129	W GYM		ALY

P E W 213 TEACHING OF SPORTS.
PREREQUISITE--P.E.W. 151, 152, 153, OR CONSENT OF INSTRUCTOR.
4 HOURS

05277	LECT-DISC	C	10	M W F	129	W GYM		SOUDER
		C	11	W F	129	W GYM		

P E W 214 TEACHING OF SPORTS.
PREREQUISITE--P.E.W. 151, 152, 153, 154, 213 OR CONSENT OF
INSTRUCTOR, JUNIOR STANDING.
2 HOURS

05278	LECT-DISC	D	10	TU TH	129	W GYM		SOUDER
		C	11	TH	129	W GYM		SOUDER

P E W 216 SUPERVISED EXPERIENCE AND TEACHING, II.
NO CREDIT

05279	LAB	D	11	M	129	W GYM		SOUDER
05280	LAB	P	11	TU	129	W GYM		SOUDER

P E W 220 PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER.
SAME AS P.E.M. 220.
PREREQUISITE--JUNIOR STANDING, NON-PHYSICAL EDUCATION MAJOR.
2 HOURS
*SECTIONS G1 AND H1 FOR GRADES K-2.
*SECTIONS G2 AND H2 FOR GRADES 3-6.

05281	LECT-DISC	G1	2	M W F	11	E B		LAMBERT
05282	LECT-DISC	G2	2	M W F	218	E B GYM		WESTERLUND
05283	LECT-DISC	H1	3	M W F	11	E B		
05284	LECT-DISC	H2	3	M W F	218	E B GYM		ALY

P E W 222 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL.
PREREQUISITE--P.E.W. 166, 154, DANCE 235, 48 OR MORE CLOCK HOURS
OF APPROVED LABORATORY WORK WITH CHILDREN, OR CONSENT
OF INSTRUCTOR.
2 HOURS

05285	LECT-DISC	A	8-10	M W	129	W GYM		DROM

P E W 250 SPECIAL PROBLEMS.
SAME AS H. ED., P.E.M., AND REC. 250.
PREREQUISITE--JUNIOR OR SENIOR STANDING--MINIMUM GRADE POINT
AVERAGE OF 3.5--CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL
OF DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS OF CREDIT.
*2 OR 3 HOURS

05286	LAB-DISC		ARR					

P E W 260 HONORS SEMINAR.
SAME AS H. ED., P.E.M., AND REC. 260.
PREREQUISITE--JAMES SCHOLARS OR AVERAGE OF 4.0 THE PRECEDING
SEMESTER, WITH CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL
OF DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 6 HOURS OF CREDIT.
*2 HOURS

05287	LECT-DISC		ARR					

PHYSICS

DEPARTMENT OFFICE 211 P B

ENGINEERING PHYSICS CURRICULUM--SEE UNDERGRADUATE STUDY CATALOG.

L.A.S.CURRICULUM IN PHYSICS--SEE UNDERGRADUATE STUDY CATALOG.

L.A.S.GENERAL CURRICULUM MAJOR--TWENTY HOURS IN PHYSICS, INCLUDING PHYSICS 321, 341, AND 342, AND EXCLUDING COURSES WITH NUMBERS LOWER THAN 270.

L.A.S.GENERAL CURRICULUM MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH NOT LESS THAN EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ASTRONOMY, CHEMISTRY, EDUCATION, GEOLOGY, MATHEMATICS, ZOOLOGY OR ANY ONE BRANCH OF ENGINEERING.

PHYSICS 101 AND 102 ARE RECOMMENDED TO PREMEDICAL, PREDENTAL, ARCHITECTURE, AND OTHER STUDENTS NOT SPECIALIZING IN PHYSICS, MATHEMATICS, CHEMISTRY OR ENGINEERING.

THE CALCULUS PREREQUISITE FOR CERTAIN COURSES MAY BE SATISFIED EITHER BY MATH. 132 AND 142, OR MATH. 133 AND 143.

COURSES FOR UNDERGRADUATES

PHYCS 101 GENERAL PHYSICS--MECHANICS, HEAT, AND SOUND.
FOR STUDENTS IN ARTS & SCIENCES AND ARCHITECTURE.
PREREQUISITE--TRIGONOMETRY.
5 HOURS

05288	LECT	A	2	TU TH	151	P B	ALLEN
05289	QUIZ	A1	8	M W	143	P B	
05290	QUIZ	A2	8	M W	32	P B	
05291	QUIZ	B1	9	M W	32	P B	
05292	QUIZ	B2	9	M W	147	P B	
05293	QUIZ	C1	10	M W	32	P B	
05294	QUIZ	C2	10	M W	319	CER	
05295	QUIZ	D1	11	M W	32	P B	
05296	QUIZ	D2	11	M W	319	CER	
05297	QUIZ	E1	1	M W	143	P B	
05298	QUIZ	F1	11	TU TH	32	P B	
05299	LAB	A1	12-3	M	32	P B	
05300	LAB	B1	3-6	M	32	P B	
05301	LAB	C1	8-11	TU	32	P B	
05302	LAB	D1	3-6	TU	32	P B	
05303	LAB	E1	12-3	W	32	P B	
05304	LAB	F1	3-6	W	32	P B	
05305	LAB	G1	8-11	TH	32	P B	
05306	LAB	H1	9-12	F	32	P B	
05307	LAB	I1	2-5	F	32	P B	
05308	LAB	J1	9-12	S	32	P B	

PHYCS 102 GENERAL PHYSICS--LIGHT, ELECTRICITY, AND MAGNETISM.
FOR STUDENTS IN ARTS & SCIENCES AND ARCHITECTURE.
PREREQUISITE--PHYCS. 101.
5 HOURS

05309	LECT	A	10	TU TH	141	P B	SUTTON
05310	LECT	B	1	TU TH	141	P B	SUTTON
05311	QUIZ	A1	8	M W	132	P B	
05312	QUIZ	A2	8	M W	164	P B	
05313	QUIZ	A3	8	M W	147	P B	
05314	QUIZ	B1	9	M W	132	P B	
05315	QUIZ	B2	9	M W	164	P B	
05316	QUIZ	C1	10	M W	132	P B	
05317	QUIZ	C2	10	M W	164	P B	
05318	QUIZ	D1	11	M W	132	P B	
05319	QUIZ	D2	11	M W	164	P B	
05320	QUIZ	E1	1	M W	147	P B	
05321	QUIZ	F1	2	M W	147	P B	

PHYCS102 CONTINUED

05322	QUIZ	G1	8		TU TH	147	P B		
05323	QUIZ	G2	8		TU TH	139	P B		
05324	QUIZ	H1	9		TU TH	319	CER		
05325	QUIZ	H2	9		TU TH	139	P B		
05326	QUIZ	I1	10		TU TH	319	C E R		
05327	QUIZ	I2	10		TU TH	139	P B		
05328	QUIZ	J1	11		TU TH	132	P B		
05329	QUIZ	J2	11		TU TH	164	P B		
05330	QUIZ	L1	1		TU TH	164	P B		
05331	QUIZ	M1	2		TU TH	164	P B		
05332	QUIZ	M2	2		TU TH	147	P B		
05333	QUIZ	N1	3		TU TH	147	P B		
05334	QUIZ	N2	3		TU TH	143	P B		
05335	LAB	A1	12-3	M		132	P B		
05336	LAB	A2	12-3	M		164	P B		
05337	LAB	B1	3-6	M		132	P B		
05338	LAB	B2	3-6	M		164	P B		
05339	LAB	C1	8-11		TU	132	P B		
05340	LAB	C2	8-11		TU	164	P B		
05341	LAB	D1	12-3		TU	132	P B		
05342	LAB	E1	3-6		TU	132	P B		
05343	LAB	E2	3-6		TU	164	P B		
05344	LAB	F1	12-3		W	132	P B		
05345	LAB	F2	12-3		W	164	P B		
05346	LAB	G1	3-6		W	132	P B		
05347	LAB	G2	3-6		W	164	P B		
05348	LAB	H1	8-11		TH	132	P B		
05349	LAB	H2	8-11		TH	164	P B		
05350	LAB	I1	12-3		TH	132	P B		
05351	LAB	J1	3-6		TH	132	P B		
05352	LAB	J2	3-6		TH	164	P B		
05353	LAB	K1	12-3		F	132	P B		
05354	LAB	K2	12-3		F	164	P B		
05355	LAB	L1	3-6		F	132	P B		
05356	LAB	L2	3-6		F	164	P B		
05357	LAB	M1	9-12		S	132	P B		
05358	LAB	M2	9-12		S	164	P B		

PHYCS 106 GENERAL PHYSICS--MECHANICS.
FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE--MATH. 122, 123--CREDIT OR REGISTRATION IN MATH, 132 OR 133.
4 HOURS
*FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

05359	LECT	A	9	M	W	141	P B		BRUSSEL
05360	LECT	B	11	M	W	141	P B		BRUSSEL
05392	LAB	*&A2	8-10		W	232	P B		
05392	QUIZ	*&A2	8-10		F	232	P B		
05361	LAB	B2	8-10		W	264	P B		
05361	QUIZ	B2	8-10		F	264	P B		
05362	LAB	C2	10-12		W	232	P B		
05362	QUIZ	C2	10-12		F	147	P B		
05363	LAB	C3	10-12		F	232	P B		
05363	QUIZ	C3	10-12	W		147	P B		
05364	LAB	D2	10-12		W	264	P B		
05364	QUIZ	D2	10-12		F	264	P B		
05365	LAB	E1	1-3	M		232	P B		
05365	QUIZ	E1	1-3		W	137	P B		
05366	LAB	F1	1-3	W		264	P B		
05366	QUIZ	F1	1-3		W	139	P B		
05367	LAB	E2	1-3		W	232	P B		
05367	QUIZ	E2	1-3		F	137	P B		
05368	LAB	F2	1-3		W	264	P B		
05368	QUIZ	F2	1-3		F	139	P B		
05369	LAB	E3	1-3		F	232	P B		
05369	QUIZ	E3	1-3	W		137	P B		
05370	LAB	F3	1-3		F	264	P B		
05370	QUIZ	F3	1-3	M		139	P B		
05371	LAB	G1	3-5	M		232	P B		
05371	QUIZ	G1	3-5		W	137	P B		
05372	LAB	H1	3-5	M		264	P B		
05372	QUIZ	H1	3-5		W	139	P B		
05373	LAB	G2	3-5		W	232	P B		
05373	QUIZ	G2	3-5		F	137	P B		
05374	LAB	H2	3-5		W	264	P B		
05374	QUIZ	H2	3-5		F	139	P B		
05375	LAB	G3	3-5		F	232	P B		
05375	QUIZ	G3	3-5	M		137	P B		
05376	LAB	H3	3-5		F	264	P B		
05376	QUIZ	H3	3-5	M		139	P B		

PHYCS106 CONTINUED

05377	LAB	I1	8-10	TU		232	P	B	
05377	QUIZ	I1	8-10		TH	232	P	B	
05378	LAB	J1	8-10	TU		264	P	B	
05378	QUIZ	J1	8-10		TH	137	P	B	
05379	LAB	I3	9-10		S	232	P	B	
05379	QUIZ	I3	8-10	TU		137	P	B	
05380	LAB	J2	8-10		S	264	P	B	
05380	QUIZ	J2	8-10		TH	264	P	B	
05381	LAB	K1	10-12	TU		232	P	B	
05381	QUIZ	K1	10-12		TH	232	P	B	
05382	LAB	L1	10-12	TU		264	P	B	
05382	QUIZ	L1	10-12		TH	137	P	B	
05383	LAB	K3	10-12		S	232	P	B	
05383	QUIZ	K3	10-12	TU		137	P	B	
05384	LAB	L2	10-12		S	264	P	B	
05384	QUIZ	L2	10-12		TH	264	P	B	
05393	LAB	*GM1	1-3	TU		232	P	B	
05393	QUIZ	*GM1	1-3		TH	137	P	B	
05385	LAB	N1	1-3	TU		264	P	B	
05385	QUIZ	N1	1-3		TH	139	P	B	
05386	LAB	M2	1-3		TH	232	P	B	
05386	QUIZ	M2	1-3	TU		137	P	B	
05387	LAB	N2	1-3		TH	264	P	B	
05387	QUIZ	N2	1-3	TU		139	P	B	
05388	LAB	O1	3-5	TU		232	P	B	
05388	QUIZ	O1	3-5		TH	137	P	B	
05389	LAB	P1	3-5	TU		264	P	B	
05389	QUIZ	P1	3-5		TH	139	P	B	
05390	LAB	O2	3-5		TH	232	P	B	
05390	QUIZ	O2	3-5	TU		137	P	B	
05391	LAB	P2	3-5		TH	264	P	B	
05391	QUIZ	P2	3-5	TU		139	P	B	

PHYCS 107 GENERAL PHYSICS--HEAT, ELECTRICITY, AND MAGNETISM.
FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE--PHYCS. 106, CREDIT OR REGISTRATION IN MATH. 142
OR 143.
4 HOURS
*FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

05394	LECT	A	9	TU TH		151	P	B		GRANATO
05395	LECT	B	11	TU TH		151	P	B		GRANATO
05411	LAB	*GA3	8-10		F	234	P	B		
05411	QUIZ	*GA3	8-10	M		234	P	B		
05396	LAB	B3	8-10		F	262	P	B		
05396	QUIZ	B3	8-10	M		262	P	B		
05397	LAB	C3	10-12		F	234	P	B		
05397	QUIZ	C3	10-12	M		234	P	B		
05398	LAB	D3	10-12		F	262	P	B		
05398	QUIZ	D3	10-12	M		262	P	B		
05399	LAB	E3	1-3		F	234	P	B		
05399	QUIZ	E3	1-3	M		234	P	B		
05400	LAB	F3	1-3		F	262	P	B		
05400	QUIZ	F3	1-3	M		262	P	B		
05401	LAB	G3	3-5		F	234	P	B		
05401	QUIZ	G3	3-5	M		234	P	B		
05402	LAB	H3	3-5		F	262	P	B		
05402	QUIZ	H3	3-5	M		262	P	B		
05403	LAB	I1	8-10		TH	234	P	B		
05403	QUIZ	I1	8-10	TU		234	P	B		
05404	LAB	J1	8-10		TH	262	P	B		
05404	QUIZ	J1	8-10	TU		262	P	B		
05405	LAB	K1	10-12		TH	234	P	B		
05405	QUIZ	K1	10-12	TU		234	P	B		
05406	LAB	K3	10-12		S	234	P	B		
05406	QUIZ	K3	10-12	TU		143	P	B		
05407	LAB	L1	10-12		TH	262	P	B		
05407	QUIZ	L1	10-12	TU		262	P	B		
05412	LAB	*GM2	1-3		TH	234	P	B		
05412	QUIZ	*GM2	1-3	TU		234	P	B		
05408	LAB	N2	1-3		TH	262	P	B		
05408	QUIZ	N2	1-3	TU		262	P	B		
05409	LAB	O2	3-5		TH	234	P	B		
05409	QUIZ	O2	3-5	TU		234	P	B		
05410	LAB	P2	3-5		TH	262	P	B		
05410	QUIZ	P2	3-5	TU		262	P	B		

PHYCS 103 GENERAL PHYSICS--WAVE MOTION, SOUND, LIGHT, AND MODERN PHYSICS.
FOR STUDENTS IN ENGINEERING, MATHEMATICS, PHYSICS, AND CHEMISTRY.
PREREQUISITE--PHYCS. 107, CREDIT OR REGISTRATION IN MATH. 142 OR 143
4 HOURS
*FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

05413	LECT	A	2	M	W		141	P	B	SARD
05414	LECT	B	4	M	W		141	P	B	SARD
05435	LAB	*&A1	8-10	M			236	P	B	
05435	QUIZ	*&A1	8-10		W		137	P	B	
05415	LAB	B1	8-10	M			258	P	B	
05415	QUIZ	B1	8-10		W		139	P	B	
05416	LAB	A2	8-10		W		236	P	B	
05416	QUIZ	A2	8-10			F	137	P	B	
05417	LAB	B2	8-10		W		258	P	B	
05417	QUIZ	B2	8-10			F	139	P	B	
05418	LAB	C1	10-12	M			236	P	B	
05418	QUIZ	C1	10-12		W		137	P	B	
05419	LAB	D1	10-12	M			258	P	B	
05419	QUIZ	D1	10-12		W		139	P	B	
05420	LAB	C2	10-12		W		236	P	B	
05420	QUIZ	C2	10-12			F	137	P	B	
05421	LAB	D2	10-12		W		258	P	B	
05421	QUIZ	D2	10-12			F	139	P	B	
05422	LAB	E2	1-3		W		236	P	B	
05422	QUIZ	E2	1-3			F	143	P	B	
05423	LAB	E3	1-3	M			236	P	B	
05423	QUIZ	E3	1-3			F	147	P	B	
05424	LAB	F3	1-3	M			258	P	B	
05424	QUIZ	F3	1-3			F	319	CER		
05425	LAB	G2	3-5		W		236	P	B	
05425	QUIZ	G2	3-5			F	143	P	B	
05426	LAB	G3	3-5	M			236	P	B	
05426	QUIZ	G3	3-5			F	136	P	B	
05427	LAB	H3	3-5	M			258	P	B	
05427	QUIZ	H3	3-5			F	158	P	B	
05428	LAB	I1	8-10		TU		236	P	B	
05428	QUIZ	I1	8-10			TH	236	P	B	
05429	LAB	J1	8-10		TU		258	P	B	
05429	QUIZ	J1	8-10			TH	258	P	B	
05430	LAB	K1	10-12		TU		236	P	B	
05430	QUIZ	K1	10-12			TH	236	P	B	
05431	LAB	L1	10-12		TU		258	P	B	
05431	QUIZ	L1	10-12			TH	258	P	B	
05436	LAB	*&M1	1-3		TU		236	P	B	
05436	QUIZ	*&M1	1-3			TH	236	P	B	
05432	LAB	N1	1-3		TU		258	P	B	
05432	QUIZ	N1	1-3			TH	258	P	B	
05433	LAB	O1	3-5		TU		236	P	B	
05433	QUIZ	O1	3-5			TH	236	P	B	
05434	LAB	P1	3-5		TU		258	P	B	
05434	QUIZ	P1	3-5			TH	258	P	B	

PHYCS 113 LABORATORY IN GENERAL PHYSICS--MECHANICS, HEAT, AND SOUND.
PREREQUISITE--COURSE IN COLLEGE PHYSICS WITHOUT LABORATORY.
1 HOUR
SEE LAB SECTIONS FOR PHYCS. 101.
05437 LAB ARR

PHYCS 114 LABORATORY IN GENERAL PHYSICS-LIGHT, ELECTRICITY, AND MAGNETISM.
PREREQUISITE--COURSE IN COLLEGE PHYSICS WITHOUT LABORATORY.
1 HOUR
SEE LAB SECTIONS FOR PHYCS. 102.
05438 LAB ARR

COURSES FOR ADVANCED UNDERGRADUATES

PHYCS 281 INTERMEDIATE ATOMIC PHYSICS.
PREREQUISITE--GENERAL PHYSICS AND CALCULUS.
3 HOURS
05439 LECT 11 M W F 143 P B STAPLETON

PHYCS 303 MODERN EXPERIMENTAL PHYSICS, I.
PREREQUISITE--PHYCS. 342 AND CONCURRENT REGISTRATION IN PHYCS. 381.
5 HOURS, OR 1 UNIT
*FOR HONORS STUDENTS.

05440	LECT		3-5	M	147	P B		COMPTON, PEACOCK
05441	LAB	A	1-5	W F	336	P B		
05442	LAB	B	1-5	TU TH	336	P B		
05443	LAB	*&C	ARR					WATTENBERG

PHYCS 304 MODERN EXPERIMENTAL PHYSICS, II.
PREREQUISITE--PHYCS. 303.
5 HOURS, OR 1 UNIT
*FOR HONORS STUDENTS.

05444	LAB	A	1-5	W F	336	P B		COMPTON,
05445	LAB	B	1-5	TU TH	336	P B		PEACOCK
05446	LAB	*&C	ARR					WATTENBERG

PHYCS 321 THEORETICAL MECHANICS.
PREREQUISITE--GENERAL PHYSICS, CONCURRENT REGISTRATION IN MATH. 341, 345, OR 349.
*NO GRADUATE CREDIT IS GIVEN TO GRADUATE MAJORS IN PHYSICS.
*4 HOURS, OR 1 UNIT

05447	LECT	A	10	M W F	144	P B		LAVATELLI
05448	LECT	B	10	TU TH S	158	P B		STAPLETON

PHYCS 322 THEORETICAL MECHANICS.
PREREQUISITE--PHYCS. 321.
4 HOURS, OR 1 UNIT
*GRADUATE STUDENTS SHOULD REGISTER IN LECT. B.

05449	LECT	A	9	M W F	144	P B		GINSBERG
05450	LECT	B	9	TU TH S	158	P B		YAVIN

PHYCS 341 ELECTRICITY AND MAGNETISM.
PREREQUISITE--GENERAL PHYSICS, REGISTRATION IN MATH. 341, 343, OR 345, OR CONSENT OF INSTRUCTOR.
*NO GRADUATE CREDIT FOR GRADUATE MAJORS IN PHYSICS.
*4 HOURS, OR 1/2 OR 1 UNIT

05451	LECT	A	9	M W F	158	P B		HANSON
05452	LECT	B	9	TU TH S	143	P B		ASCOLI
05453	LAB	A	1-4	M	332	P B		
05454	LAB	B	1-4	TU	332	P B		
05455	LAB	C	1-4	W	332	P B		
05456	LAB	D	1-4	TH	332	P B		
05457	LAB	E	2-5	F	332	P B		

PHYCS 342 ELECTRICITY AND MAGNETISM.
PREREQUISITE--PHYCS. 341.
*NO GRADUATE CREDIT FOR GRADUATE MAJORS IN PHYSICS.
*4 HOURS, OR 1/2 OR 1 UNIT

05458	LECT	A	11	M W F	136	P B		LYMAN
05459	LECT	B	11	TU TH S	136	P B		FLYNN
05460	LAB	A	2-5	M	364	P B		
05461	LAB	B	1-4	TU	364	P B		
05462	LAB	C	2-5	W	364	P B		
05463	LAB	D	1-4	TH	364	P B		
05464	LAB	E	2-5	F	364	P B		

PHYCS 343 ELECTRONIC CIRCUITS.
PREREQUISITE--PHYCS. 341, OR CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

05465	LECT		1	M W	144	P B		KOESTER
05466	LAB	A	2-5	M W	436	P B		
05467	LAB	B	9-11	TU TH	436	P B		
05468	LAB	C	1-4	TU TH	436	P B		
05469	LAB	D	2-5	F	436	P B		
		D	9-12	S	436	P B		

PHYCS 360 THERMODYNAMICS.
PREREQUISITE--GENERAL PHYSICS AND CALCULUS.
4 HOURS, OR 1 UNIT

05470	LECT		11	M W F	158	P B		MAPOTHER

PHYCS 362 KINETIC THEORY AND STATISTICS.
PREREQUISITE--PHYCS. 360 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

05471	LECT		10	M W F	136	P B		PROPST

PHYCS 371 LIGHT.
PREREQUISITE--GENERAL PHYSICS, MATH. 345, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1/2 TO 1 UNIT

05472	LECT		11	TU TH S	144	P B		KLEIN
05473	LAB	A	2-5	M	432	P B		
05474	LAB	B	1-4	TU	432	P B		
05475	LAB	C	2-5	W	432	P B		
05476	LAB	D	1-4	TH	432	P B		
05477	LAB	E	2-5	F	432	P B		

PHYCS 381 ATOMIC PHYSICS.
SAME AS CHEM. 396.
PREREQUISITE--GENERAL PHYSICS AND MATH 343 OR 345.
4 HOURS, OR 1 UNIT
*GRADUATE STUDENTS SHOULD REGISTER IN LECTURE B.

05478	LECT		10	M W F	151	P B		GOLDWASSER

PHYCS 382 NUCLEAR PHYSICS.
PREREQUISITE--PHYCS. 381 OR 383.
3 HOURS, OR 1 UNIT

05479	LECT		10	TU TH S	147	P B		KRUGER

PHYCS 383 ATOMIC PHYSICS AND QUANTUM THEORY FOR ENGINEERS.
PREREQUISITE--GENERAL PHYSICS, GENERAL CHEMISTRY, MATH. 345, OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT

05480	LECT	A	9	TU TH S	144	P B		
05481	LECT	B	11	M W F	151	P B		RUSSELL

PHYCS 385 INTRODUCTION TO QUANTUM MECHANICS.
PREREQUISITE--MATH. 343, 345, OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT
*GRADUATE STUDENTS SHOULD REGISTER IN LECTURE B.

05482	LECT	A	9	M W F	151	P B		HILL
05483	LECT	B	1-230	TU TH	136	P B		FRAUENFELDER

COURSES FOR GRADUATES

PHYCS 422 DYNAMICS AND NON-LINEAR MECHANICS.
PREREQUISITE--PHYCS. 322, MATH. 345.
1 UNIT

05484	LECT		10	M W F	143	P B		BARTLETT

PHYCS 435 CONDUCTION OF ELECTRICITY IN SOLIDS.
SAME AS E.E. 435.
PREREQUISITE--PHYCS. 381 OR 383, OR CONSENT OF INSTRUCTOR.
1 UNIT

05485	LECT		130-3	TU TH	161	E E B		HANDLER

PHYCS 441 ELECTRODYNAMICS.
PREREQUISITE--PHYCS. 342 OR EQUIVALENT, REGISTRATION IN PHYCS. 400 OR CONSENT OF INSTRUCTOR.
1 UNIT

05486	LECT		9	TU TH S	136	P B		KRUSE

PHYCS 442 ELECTRODYNAMICS.
PREREQUISITE--PHYCS. 441.
1 UNIT

05487	LECT		11	M W F	144	P B		SMITH

PHYCS 455 REACTOR PHYSICS, I.
SAME AS NUC. E. 455.
PREREQUISITE--MATH. 343 AND 345, NUC. E. 347, OR CONSENT OF INSTRUCTOR.
1 UNIT

05488	LECT		10-12	TU TH	203	MET LAB		MILEY

PHYCS 463 STATISTICAL MECHANICS.
PREREQUISITE--PHYCS. 360, 481, OR CONSENT OF INSTRUCTOR.
1 UNIT

05489	LECT	10	M W F	158	P B		HAAG

PHYCS 480 QUANTUM MECHANICS, I.
PREREQUISITE--PHYCS. 322 AND 342, AND A COURSE IN ATOMIC PHYSICS.
1 UNIT

05490	LECT	10	TU TH S	136	P B		BAYM

PHYCS 481 QUANTUM MECHANICS, II.
PREREQUISITE--PHYCS. 480 OR CONSENT OF INSTRUCTOR.
1 UNIT

05491	LECT	1-230	M W	136	P B		RAVENHALL

PHYCS 482 QUANTUM MECHANICS, III.
PREREQUISITE--PHYCS. 481, 422 OR CONSENT OF INSTRUCTOR.
1 UNIT

05492	LECT	11	TU TH S	158	P B		SCHULT

PHYCS 484 NUCLEAR PHYSICS.
PREREQUISITE--PHYCS. 483, OR CONSENT OF INSTRUCTOR.
1 UNIT

05493	LECT	1-230	M W	158	P 3		AXEL

PHYCS 487 TOPICS IN ADVANCED QUANTUM THEORY.
PREREQUISITE--A--PHYCS. 482, B--PHYCS. 487A.
A--ADVANCED QUANTUM MECHANICS.
B--QUANTUM FIELD THEORY.
1 UNIT PER SECTION

05494	LECT	*B	1-230	TU TH	144	P B	WYLD

PHYCS 488 ADVANCED TOPICS IN NUCLEAR AND PARTICLE PHYSICS.
PREREQUISITES--PHYCS. 482 AND 484 OR CONSENT OF INSTRUCTOR.
A--NUCLEAR PHYSICS.
B--PHYSICS OF ELEMENTARY PARTICLES.
1 UNIT PER SECTION

05495	LECT	B	2-330	M W	158	P B	WATTENBERG

PHYCS 490 SOLID STATE PHYSICS, II.
PREREQUISITE--PHYCS. 481, 489 OR CONSENT OF INSTRUCTOR.
1 UNIT

05496	LECT	10	TU TH S	144	P B		BARDEEN

PHYCS 497 INDIVIDUAL STUDY.
1/2 OR 1 UNIT

05497	CONF	ARR					STAFF

PHYCS 498 SEMINAR.
1/2 OR 1 UNIT
*SECTION B. 1 UNIT, APPLICATIONS OF MAGNETIC RESONANCE.
*SECTION K. 1 UNIT

05498	LECT	*B	2-330	TU TH	158	P B	SLICHTER
05499	LECT	*K	230-4	M W	136	P B	HELLWARTH

PHYCS 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

05500	CONF	ARR					STAFF

PHYSIOLOGY

DEPARTMENT OFFICE 524 BUR HALL

MAJOR--THE MAJOR CONSISTS OF TWENTY HOURS IN ANIMAL PHYSIOLOGY OR CLOSELY RELATED SUBJECTS LISTED IN THE LAST SENTENCE BELOW, NOT INCLUDING ELEMENTARY COURSES, AND INCLUDING PHYSL. 301 AND PHYSL 302. BECAUSE PHYSIOLOGY REQUIRES AN UNDERSTANDING OF PHYSICAL AND BIOLOGICAL SCIENCE, THE STUDENTS PROGRAM MUST INCLUDE A YEAR OF GENERAL BIOLOGY, INCLUDING BOTH ANIMAL AND PLANT BIOLOGY, A SEMESTER OF GENETICS, MATHEMATICS THROUGH ELEMENTARY CALCULUS, TWO SEMESTERS OF PHYSICS, AND FOUR SEMESTERS OF CHEMISTRY INCLUDING GENERAL, INORGANIC, ORGANIC AND QUANTITATIVE CHEMISTRY. MICROBIOLOGY, EMBRYOLOGY, HISTOLOGY, PHYSICAL CHEMISTRY AND BIOCHEMISTRY ARE RECOMMENDED STRONGLY. WITH THE APPROVAL OF THE ADVISER, UPPER DIVISION COURSES IN GENETICS, BIOCHEMISTRY, BIOPHYSICS, AND PLANT PHYSIOLOGY MAY BE COUNTED TOWARD THE MAJOR.

MINOR--TWENTY HOURS MAY BE CHOSEN FROM PHYSICS, CHEMISTRY, MICROBIOLOGY OR ZOOLOGY, PROVIDED AT LEAST 8 SEMESTER HOURS ARE OFFERED IN THE LESSER, IF TWO MINORS ARE CHOSEN.

HONORS--STUDENTS WORKING TOWARD DEPARTMENTAL DISTINCTION MUST ENROLL IN PHYSIOLOGY 290 READING COURSE, WORK WITH AN ADVISER FOR AT LEAST TWO SEMESTERS, AND TAKE A GENERAL EXAMINATION IN THE LAST SEMESTER OF THE SENIOR YEAR.

COURSES FOR UNDERGRADUATES

PHYSL 103 INTRODUCTION TO HUMAN PHYSIOLOGY.
*CREDIT IS NOT GIVEN IN PHYSL. 103 IN ADDITION TO CREDIT IN D. G. S. 131 OR 132.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
STUDENTS IN LAB.-DISC. SECTIONS OF THE A OR B SERIES MAY REGISTER IN ANY LECTURE.

05501	LECT	A	2	M W	228	N H B	TAYLOR AND
05502	LECT	B	10	TU TH	228	N H B	WILLIS
05503	LAB-DISC	1A	8-10	M	434	BUR HALL	
		1A	8-10	W	436	BUR HALL	
05504	LAB-DISC	1B	8-10	M	422	BUR HALL	
		1B	8-10	W	444	BUR HALL	
05505	LAB-DISC	2A	10-12	M	434	BUR HALL	
		2A	10-12	W	436	BUR HALL	
05506	LAB-DISC	2B	10-12	M	422	BUR HALL	
		2B	10-12	W	444	BUR HALL	
05507	LAB-DISC	3A	1-3	M	434	BUR HALL	
		3A	1-3	W	436	BUR HALL	
05508	LAB-DISC	4A	3-5	M	434	BUR HALL	
		4A	3-5	W	436	BUR HALL	
05509	LAB-DISC	4B	3-5	M	422	BUR HALL	
		4B	3-5	W	444	BUR HALL	
05510	LAB-DISC	5A	8-10	TU	434	BUR HALL	
		5A	8-10	TH	436	BUR HALL	
05511	LAB-DISC	5B	8-10	TU	422	BUR HALL	
		5B	8-10	TH	444	BUR HALL	
05512	LAB-DISC	6A	10-12	TU	434	BUR HALL	
		6A	10-12	TH	436	BUR HALL	
07066	LAB-DISC	6B	10-12	TU	422	BUR HALL	
		6B	10-12	TH	444	BUR HALL	
05513	LAB-DISC	7A	1-3	TU	434	BUR HALL	
		7A	1-3	TH	436	BUR HALL	
05514	LAB-DISC	7B	1-3	TU	422	BUR HALL	
		7B	1-3	TH	444	BUR HALL	
05515	LAB-DISC	8A	3-5	TU	434	BUR HALL	
		8A	3-5	TH	436	BUR HALL	
05516	LAB-DISC	9A	8-10	W	434	BUR HALL	
		9A	8-10	M	436	BUR HALL	
05517	LAB-DISC	9B	8-10	W	422	BUR HALL	
		9B	8-10	M	444	BUR HALL	
05518	LAB-DISC	10A	10-12	W	434	BUR HALL	
		10A	10-12	M	436	BUR HALL	
05519	LAB-DISC	10B	10-12	W	422	BUR HALL	
		10B	10-12	M	444	BUR HALL	
05520	LAB-DISC	11A	1-3	W	434	BUR HALL	
		11A	1-3	M	436	BUR HALL	

PHYSL103 CONTINUED

05521	LAB-DISC	12A	3-5	W	434	BUR HALL	
		12A	3-5	M	436	BUR HALL	
05522	LAB-DISC	12B	3-5	W	422	BUR HALL	
		12B	3-5	M	444	BUR HALL	
05523	LAB-DISC	13A	8-10	TH	434	BUR HALL	
		13A	8-10	TU	436	BUR HALL	
05524	LAB-DISC	13B	8-10	TH	422	BUR HALL	
		13B	8-10	TU	444	BUR HALL	
05525	LAB-DISC	14A	10-12	TH	434	BUR HALL	
		14A	10-12	TU	436	BUR HALL	
05526	LAB-DISC	14B	10-12	TH	422	BUR HALL	
		14B	10-12	TU	444	BUR HALL	
05527	LAB-DISC	15A	1-3	TH	434	BUR HALL	
		15A	1-3	TU	436	BUR HALL	
05528	LAB-DISC	15B	1-3	TH	422	BUR HALL	
		15B	1-3	TU	444	BUR HALL	
05529	LAB-DISC	16A	3-5	TH	434	BUR HALL	
		16A	3-5	TU	436	BUR HALL	

COURSES FOR ADVANCED UNDERGRADUATES

PHYSL 203 HUMAN PHYSIOLOGY FOR SELECTED STUDENTS.
PREREQUISITE--GRADE-POINT AVERAGE OF 4.0 OR BETTER, ONE YEAR OF PHYSICAL SCIENCES AT THE COLLEGE LEVEL OR CONSENT OF THE INSTRUCTOR.
*CREDIT IS NOT GIVEN TO STUDENTS WITH CREDIT IN PHYSL. 103 OR EQUIVALENT.
*5 HOURS

05530	LECT	&A	2	M W	228	N H B	TAYLOR AND
05531	LECT	&B	10	TU TH	228	N H B	WILLIS
05532	LAB	&	3-6	TU TH	422	BUR HALL	

PHYSL 234 HUMAN ANATOMY AND PHYSIOLOGY.
PREREQUISITE--ZOOL. 104 AND PHYSL. 103, OR CONSENT OF INSTRUCTOR.
5 HOURS

05533	LECT		11	TU TH	124	BUR HALL	HEATH AND
05534	LAB	A1	8-10	M W F	413	BUR HALL	STOLPE
05535	LAB	A2	8-10	M W F	417	BUR HALL	
05536	LAB	B1	10-12	M W F	413	BUR HALL	
05537	LAB	B2	10-12	M W F	417	BUR HALL	
05538	LAB	C1	1-3	M W F	413	BUR HALL	
05539	LAB	D1	3-5	M W F	413	BUR HALL	
05540	LAB	E1	8-11	TU TH	413	BUR HALL	
05541	LAB	F1	1-4	TU TH	413	BUR HALL	

PHYSL 290 READING COURSE.
PREREQUISITE--A COURSE IN PHYSIOLOGY, CONSENT OF INSTRUCTOR.
2 TO 4 HOURS
NOTE--THIS COURSE IS NOT LIMITED TO HONORS STUDENTS.

05542	CONF	&A	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PHYSL 302 EXPERIMENTAL ANIMAL PHYSIOLOGY.
SAME AS ZOOL. 302.
PREREQUISITE--ONE YEAR EACH OF COLLEGE LEVEL BIOLOGY, MATHEMATICS, AND PHYSICS, AND CHEMISTRY THROUGH ORGANIC.
5 HOURS, OR 1 UNIT

05543	LECT		9	M W F	229	N H B	ANDERSON AND
05544	LAB	1	1-5	M	523	BUR HALL	OTHERS
05545	LAB	2	1-5	TU	523	BUR HALL	
05546	LAB	3	1-5	W	523	BUR HALL	
05547	LAB	4	1-5	TH	523	BUR HALL	
05548	LAB	5	8-12	TU	523	BUR HALL	
05549	LAB	6	8-12	TH	523	BUR HALL	

PHYSL 312 ENDOCRINOLOGY.
SAME AS ZOOL. 312.
PREREQUISITE--PHYSL. 301 OR ZOOL. 301 OR A COURSE IN BIOCHEMISTRY CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

05550	LECT		11	M W F	136	BUR HALL	[illegible]
05551	LAB	1	8-12	TU	417	BUR HALL	
05552	LAB	2	8-12	TH	417	BUR HALL	

PHYSL 370 PHYSIOLOGY OF PHYSICAL ACTIVITY.
PREREQUISITE--PHYSL. 103 AND 234 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
ENROLLMENT LIMITED TO FIRST 12 PEOPLE WHO OBTAIN CONSENT.

05553	LAB-DISC	1-4	TU TH	417	BUR HALL	STOLPE

PHYSL 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS ANTH., H. ED., GEOG., PSYCH., SOC., AND V.M.S. 374.
PREREQUISITE--ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S. OR ZOOL. 369.
4 HOURS OR 1 UNIT

05554	LECT-DISC	11	M WTHF	242	BEV HALL	ALEXANDER, SARGENT AND OTHERS

COURSES FOR GRADUATES

PHYSL 402 COMPARATIVE AND ADAPTATIONAL PHYSIOLOGY.
PREREQUISITE--ONE YEAR OF COLLEGE-LEVEL PHYSICS, CHEMISTRY THROUGH ORGANIC, UPPER DIVISION COURSE IN PHYSIOLOGY, KNOWLEDGE OF CALCULUS PRESUMED.
1 UNIT

05555	LECT-DISC	1	TUWTHF	124	BUR HALL	STAFF

PHYSL 404 PHYSIOLOGICAL MEASUREMENTS.
PREREQUISITE--CHEM. 355 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
1 1/4 UNITS
*ADDITIONAL HOURS TO BE ARRANGED.

05556	LAB	A	*8-12	F	523	BUR HALL	STAFF
		A	*8-12	F	542	BUR HALL	
05557	LAB	B	*2-6	F	523	BUR HALL	
		B	*2-6	F	542	BUR HALL	

PHYSL 410 MAMMALIAN PHYSIOLOGY SEMINAR.
PREREQUISITE--PHYSL. 401 AND 402 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1/2 UNIT

05558	DISC	5	M W	140	BUR HALL	STEGGERDA

PHYSL 412 ADVANCED ENDOCRINOLOGY.
SAME AS AN. S., D. S., AND ZOOL. 412.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 2 UNITS.
*1/2 UNIT
TOPIC--TO BE ANNOUNCED.

05559	DISC	730-10PM	M	140	BUR HALL	GORSKI AND NALBANDOV

PHYSL 414 EXPERIMENTAL MAMMALIAN PHYSIOLOGY, II.
PREREQUISITE--PHYSL. 401 AND 402 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1 UNIT

05560	LAB	2-5	TU TH	548	BUR HALL	STEGGERDA
05560	DISC	9-12	S	417	BUR HALL	

PHYSL 430 BIOLOGICAL ULTRASTRUCTURE.
SAME AS ENTOM., MCBIO., AND ZOOL. 430.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT

05561	LECT	10	M W F	140	BUR HALL	HALL

PHYSL 451 ADVANCED CELLULAR PHYSIOLOGY.
SAME AS BOT. AND ZOOL. 451.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT
TOPIC--TO BE ANNOUNCED.

05562	DISC	ARR	

PHYSL 472 HUMAN PHYSIOLOGY SEMINAR.
PREREQUISITE--TWO SEMESTERS OF ADVANCED PHYSIOLOGY AND ONE SEMESTER OF BIOCHEMISTRY, CONSENT OF INSTRUCTOR.
1/2 UNIT
05563 LECT 3 TU TH 140 BUR HALL TEIGLER

PHYSL 491 INDIVIDUAL TOPICS.
PREREQUISITE--APPROVAL OF DEPARTMENT.
1/2 TO 2 UNITS
05564 CONF ARR STAFF

PHYSL 499 THESIS RESEARCH.
2 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
05565 CONF 4 F 140 BUR HALL

PLANT PATHOLOGY

DEPARTMENT OFFICE 219 M H

COURSES FOR ADVANCED UNDERGRADUATES

PL PA 204 INTRODUCTORY PLANT PATHOLOGY.
SAME AS AGRON. 204.
PREREQUISITE--BOT. 100, JUNIOR STANDING.
3 HOURS
05566 LAB-DISC 10-12 TU TH W121 T H BEVER

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PL PA 300 SPECIAL PROBLEMS.
UNDERGRADUATE PREREQUISITE--MINIMUM GRADE POINT AVERAGE 3.5, NOT OPEN TO STUDENTS ON PROBATION, SENIOR STANDING, CONSENT OF THE INSTRUCTOR AND HEAD OF THE DEPARTMENT. SPECIFIC APPROVAL OF THE ASSOCIATE DEAN IS REQUIRED IN ADVANCE OF REGISTRATION FOR A SECOND AND/OR THIRD SPECIAL PROBLEM COURSE.
*MAXIMUM CREDIT EIGHT HOURS OR TWO UNITS.
*2 TO 4 HOURS, 1 1/4 TO 1 UNIT
BEVER, BLACK, BRITTON,
CARTER,
CHAMBERLAIN, GERDEMANN
GOTTLIEB,
LINN, POWELL,
SHAW, SHURTLEFF, TAYLOR,
THORNBERRY
05567 CONF ARR

PL PA 394 FOREST TREE DISEASES AND WOOD DETERIORATION.
PREREQUISITE--JUNIOR STANDING IN FORESTRY OR OTHER PLANT SCIENCE.
3 HOURS, OR 1/2 UNIT
05568 LAB-DISC 10-12 M W W121 T H GERDEMANN

COURSES FOR GRADUATES

PL PA 401 DISEASES OF FOREST AND SHADE TREES.
PREREQUISITE--PL. PA. 301 OR CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
05569 LAB-DISC ARR CARTER

PL PA 417 DISCUSSIONS IN PLANT PATHOLOGY.
1/4 UNIT
05570 DISC 4 M W209 T H BRITTON

PL PA 499 THESIS RESEARCH.
PREREQUISITE--PL. PA. 301 AND 302 OR EQUIVALENT.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
BEVER, BLACK, BRITTON
CARTER, CHAMBERLAIN,
GERDEMANN, GOTTLIEB,
LINN, POWELL, SHAW, TAYLOR,
THORNBERRY
05571 CONF ARR

POLISH

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

COURSES FOR UNDERGRADUATES

POL 102 FIRST-YEAR POLISH, 11.
PREREQUISITE--POL. 101.
STUDENTS MUST REGISTER FOR 1 HOUR OF WORK WEEKLY IN LANGUAGE LAB.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
REGISTRATION WILL BE ARRANGED BY THE INSTRUCTOR.
05572 LECT-DISC G 3 MTUWTH 429 ARMORY GLADNEY

POL 104 SECOND-YEAR POLISH, 11.
PREREQUISITE--POL. 103.
STUDENTS MUST REGISTER FOR 1 HOUR OF WORK WEEKLY IN LANGUAGE LAB.
4 HOURS
05573 LECT-DISC H 4 MTUWTH 305 G H GLADNEY

POLITICAL SCIENCE

DEPARTMENT OFFICE 325 L H

MAJOR--TWENTY HOURS FROM COURSES OFFERED BY THE DEPARTMENT OF POLITICAL SCIENCE. A MAJOR MAY INCLUDE THREE SEMESTER HOURS FROM THE FOLLOWING COURSES--ECONOMICS 170, 171--STATISTICS--, ECONOMICS 214--PUBLIC FINANCE--, HISTORY 345, 346, 369, 370--CONSTITUTIONAL HISTORY--, MATHEMATICS 161--STATISTICS--, PSYCHOLOGY 135--STATISTICS AND SOCIOLOGY 185--STATISTICS--. NO STUDENT ENTERING THE UNIVERSITY AFTER SEPTEMBER 1, 1961, MAY OFFER MORE THAN EIGHT HOURS OF 100 LEVEL COURSES AS PART OF A POLITICAL SCIENCE MAJOR.

MINOR--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, ECONOMICS, EDUCATION, FINANCE, GEOGRAPHY, HISTORY, LAW, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, PSYCHOLOGY, SOCIAL WORK, SOCIOLOGY, AND SPEECH. ONE OF THE CURRICULA IN LATIN-AMERICA STUDIES RUSSIAN LANGUAGE AND AREA STUDIES, OR MEDIEVAL CIVILIZATION IS ALSO ACCEPTED AS A SOLE MINOR.

POL. S. 150 AND 151 GIVE A GENERAL SURVEY OF NATIONAL, STATE, AND LOCAL GOVERNMENT IN THE UNITED STATES. POL. SCI. 191 AND 192 PRESENT A SURVEY OF THE BASIC CONCEPTS AND METHODS OF POLITICAL SCIENCE AND SIGNIFICANT CURRENT GOVERNMENTAL AND POLITICAL PROBLEMS AND POLICIES. UNDERGRADUATES BEGINNING THE STUDY OF POLITICAL STUDENTS PLANNING TO DO ADVANCED WORK SHOULD, DURING THE SOPHOMORE YEAR, TAKE EITHER POL. SCI. 150 OR 191 AND FOLLOW IT WITH SUCH OTHER COURSES AS WILL COMPLETE ONE OF THE FOLLOWING COMBINATIONS--150 AND 151, 150 AND 192, 150 AND 184, 191 AND 184, OR 191 AND 192.

COURSES FOR UNDERGRADUATES

POL S 149 HONORS.
PREREQUISITE--CONCURRENT REGISTRATION IN THE HONORS SECTION OF POL. S. 150, CONSENT OF THE DEPARTMENT.
1 HOUR

05574	LECT-DISC	&A	ARR							SNIDER

POL S 150 AMERICAN GOVERNMENT--ORGANIZATION AND POWERS.
PREREQUISITE--SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH POL. S. 150 AND 191.
*3 HOURS
*FOR JAMES SCHOLARS AND OTHER STUDENTS HAVING A GRADE AVERAGE OF 4.0 OR ABOVE.

05575	LECT-DISC	A	8	M	W	F	213	G	H	SCOTT
05576	LECT-DISC	B	9	M	W	F	114	D K	H	WILSON
05577	LECT-DISC	C	10	M	W	F	223	G	H	JAMES
05578	LECT-DISC	D	11	M	W	F	112	G	H	GARVEY
05580	LECT-DISC	*&E	1	M	W	F	310	L	H	SNIDER
05579	LECT-DISC	N	1		TU		213	G	H	
		N	1-3			TH	213	G	H	

POL S 151 AMERICAN GOVERNMENT--FUNCTIONS.
PREREQUISITE--POL. S. 150 OR CONSENT OF DEPARTMENT.
3 HOURS

05581	LECT-DISC		9	M	W	F	310	L	H	MANNER

POL S 184 INTERNATIONAL RELATIONS.
4 HOURS

05582	LECT-DISC	D	11	M	W	F	192	L	H	JENSEN
		D	12		W		192	L	H	
05583	LECT-DISC	K	9-11		TU TH		310	L	H	GLAD

POL S 191 PRINCIPLES OF POLITICAL SCIENCE.
PREREQUISITE--SOPHOMORE STANDING, OR FRESHMAN STANDING WITH DESIGNATION AS JAMES SCHOLAR, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH POL. S. 150 AND 191.
*4 HOURS

05584	LECT-DISC		2-4		TU TH		124	BUR HALL		HOUGH

POL S 192 COMPARATIVE GOVERNMENTAL FUNCTIONS.
PREREQUISITE--POL. S. 150 OR 191.
4 HOURS

05585	LECT-DISC	F	2	M	W	F	310	L	H	KRAMER
		F	3			F	310	L	H	
05586	LECT-DISC	R	3-5		TU TH		192	L	H	SULLIVAN

COURSES FOR ADVANCED UNDERGRADUATES

POL S 263 THE EXECUTIVE BRANCH OF GOVERNMENTS OF THE UNITED STATES.
PREREQUISITE--POL S 150 OR 191.
3 HOURS

05587	LECT-DISC	N	1		TU		192	L	H	MONYPENNY
		N	1-3			TH	192	L	H	

POL S 290 SENIOR SEMINAR.
PREREQUISITE--SENIOR STANDING, AT LEAST SIX HOURS OF POLITICAL SCIENCE, AND EITHER DESIGNATION AS JAMES SCHOLAR OR A GENERAL UNIVERSITY AVERAGE OF AT LEAST 4.0.
2 HOURS

05588	LECT-DISC	&A	1-3		TU		398	L H

POL S 292 THESIS AND HONORS COURSE.
PREREQUISITE--OPEN ONLY TO SENIORS WHOSE MAJOR IS POLITICAL SCIENCE AND WHO HAVE A GENERAL UNIVERSITY AVERAGE OF AT LEAST 4.0.
2 TO 5 HOURS

05589	LECT-DISC	&A	ARR	STAFF

POL S 293 SELECTED TOPICS IN POLITICAL SCIENCE.
2 TO 4 HOURS

05590	LECT-DISC	&A	ARR	STAFF

POL S 306 MUNICIPAL PROBLEMS.
PREREQUISITE--SENIOR STANDING OR JUNIOR STANDING WITH POL. SCI. 305, OR ECON. 102 AND 103, OR SIX HOURS OF POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT

05591	LECT-DISC	K	9	TU TH	192	L H	KNEIER
		K	11	TH	192	L H	

POL S 312 STATE GOVERNMENT.
PREREQUISITE--POL.S. 150 OR 191.
*CREDIT IS NOT GIVEN FOR BOTH POL. S. 110 AND 312.
*2 HOURS, OR 1/2 OR 1 UNIT

05592	LECT-DISC	3	M W	310	L H	SNIDER

POL S 315 LEGISLATURES AND LEGISLATION.
PREREQUISITE--SIX HOURS OF POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT

05593	LECT-DISC	P	2	TU TH	300	L H	HAGAN
		P	3	TH	300	L H	

POL S 331 BRITISH GOVERNMENT.
3 HOURS, OR 1/2 OR 1 UNIT

05594	LECT-DISC	3	M W F	300	L H	STESLICKE

POL S 342 GOVERNMENT AND POLITICS IN LATIN AMERICA.
PREREQUISITE--SIX HOURS OF POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT

05595	LECT-DISC	10	M W F	310	L H	SCOTT

POL S 346 THEORY AND PRACTICE OF COMMUNISM.
3 HOURS, OR 1/2 OR 1 UNIT

05596	LECT-DISC	9	M W F	223	G H	

POL S 349 GOVERNMENTS AND POLITICS OF SOUTH ASIA.
PREREQUISITE--SIX HOURS OF POLITICAL SCIENCE OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 OR 1 UNIT

05597	LECT-DISC	1	M W F	192	L H	

POL S 355 THE CONSTITUTION AND CIVIL LIBERTIES.
PREREQUISITE--POL. S. 150 OR 191.
3 HOURS, OR 1/2 OR 1 UNIT

05598	LECT-DISC	11	M W F	310	L H	KRAMER

POL S 357 PROCESS OF LAW ENFORCEMENT.
PREREQUISITE--POL. S. 150 OR 151.
3 HOURS, OR 1/2 UNIT

05599	LECT-DISC	8	M W F	300	L H	GARVEY

POL S 362 ADMINISTRATIVE ORGANIZATION AND POLICY DEVELOPMENT.
PREREQUISITE--SIX HOURS OF POLITICAL SCIENCE OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

05600	LECT-DISC	10	M W F	300	L H	EDELMAN

POL S 366 TOOLS OF PUBLIC MANAGEMENT.
PREREQUISITE--POL. S. 361 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1 UNIT

05601	LECT-DISC	8	M W F	310	L H	PAGE

POL S 371 WORLD INTERNATIONAL ORGANIZATION.
3 HOURS, OR 1/2 OR 1 UNIT

05602	LECT-DISC	9	M W F	300	L H	JENSEN

POL S 380 COMPARATIVE FOREIGN POLICIES.
PREREQUISITE--POL. S. 184 OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 OR 1 UNIT

05603	LECT-DISC	2	M W F	300	L H	

POL S 383 SOVIET FOREIGN POLICY.
3 HOURS, OR 1/2 OR 1 UNIT
05604 LECT-DISC 2 M W F 192 L H HOUGH

POL S 386 INTERNATIONAL LAW.
PREREQUISITE--SENIOR STANDING, OR JUNIOR STANDING WITH SIX HOURS OF POLITICAL SCIENCE.
3 HOURS, OR 1/2 OR 1 UNIT
05605 LECT-DISC 11 M W F 300 L H MANNER

POL S 390 METHODS OF POLITICAL ANALYSIS.
PREREQUISITE--POL. S. 150 OR 191 OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT
05606 LECT-DISC 10 TU TH 300 L H JAMES

POL S 396 CONTEMPORARY POLITICAL THEORY.
3 HOURS, OR 1/2 OR 1 UNIT
05607 LECT-DISC 1 M W F 300 L H PRANGER

COURSES FOR GRADUATES

POL S 400 CLASSICS OF POLITICAL SCIENCE.
1 UNIT
05608 LECT-DISC 10-12 TH 398 L H PRANGER

POL S 402 HISTORY OF POLITICAL THEORIES.
1 UNIT
05609 LECT-DISC 730-930PM TH 398 L H WILSON

POL S 410 PROBLEMS IN RURAL LOCAL GOVERNMENT.
1 UNIT
05610 LECT-DISC 2-4 TH 398 L H SNIDER

POL S 440 COMPARATIVE POLITICS AND THE POLITICAL PROCESS.
*STUDENTS MAY ACCUMULATE THREE UNITS.
*1 UNIT
05611 LECT-DISC 2-4 M 398 L H LEWIS

POL S 465 PROBLEMS IN ADMINISTRATIVE MANAGEMENT.
PREREQUISITE--POL. S. 361 OR CONSENT OF INSTRUCTOR.
1 UNIT
05612 LECT-DISC 730-930PM TU 398 L H MONYPENNY

POL S 481 FOREIGN RELATIONS OF THE UNITED STATES.
1 UNIT
05613 LECT-DISC 4-6 W 398 L H DANGERFIELD

POL S 493 RESEARCH IN SELECTED TOPICS.
1 UNIT
05614 LECT-DISC ARR STAFF

POL S 496 RESEARCH DESIGN AND TECHNIQUES IN POLITICAL SCIENCE.
PREREQUISITE--POL. S. 495 OR CONSENT OF INSTRUCTOR.
1 UNIT
05615 LECT-DISC 1-3 W 398 L H SULLIVAN

POL S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
05616 LECT-DISC 4 TU 422 LIB STAFF

DEPARTMENT OFFICE 224 L H

COURSES FOR UNDERGRADUATES

PORT 102 ELEMENTARY PORTUGUESE, II.
PREREQUISITE--PORT. 101.
*STUDENTS WITH 20 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL-SECTION C AT 11 MONDAY AND SECTION E AT 1 MONDAY.
05617 LECT-DISC D 11 TUWTHF 170 L H
05618 LECT-DISC E 1 TUWTHF 108 L H

PORT 104 INTERMEDIATE PORTUGUESE, II.
PREREQUISITE--PORT. 103 OR THREE YEARS OF HIGH SCHOOL PORTUGUESE.
4 HOURS
05619 LECT-DISC G 3 M W F 108 L H

COURSES FOR ADVANCED UNDERGRADUATES

PORT 201 INTRODUCTION TO PORTUGUESE AND BRAZILIAN LITERATURE.
PREREQUISITE--PORT. 104 OR CONSENT OF INSTRUCTOR.
3 HOURS
05620 LECT-DISC 11 M W F 176 L H FORSTER

PORT 290 READINGS IN PORTUGUESE.
PREREQUISITE--PORT. 104 OR CONSENT OF INSTRUCTOR.
2 TO 4 HOURS
05621 CONF ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PORT 303 LUSO-BRAZILIAN CIVILIZATION AND CULTURE.
PREREQUISITE--SPAN. 104 OR PORT. 102 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
05622 LECT-DISC 9 M W F 230 L H ALLEN

COURSES FOR GRADUATES

PORT 491 SPECIAL TOPICS IN PORTUGUESE.
1/2 OR 1 UNIT
05623 CONF ARR STAFF

PORT 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 1/2 UNITS
05624 CONF ARR ALLEN, KAHANE

DEPARTMENT OFFICE 316 G H

MAJOR--TWENTY HOURS IN PSYCHOLOGY, EXCLUDING PSYCH. 100 AND 103, AND D.G.S. 171. TWO TYPES OF MAJOR PROGRAMS ARE OFFERED--THE GENERAL MAJOR, SUITABLE FOR STUDENTS INTERESTED PRIMARILY IN GENERAL LIBERAL EDUCATION, AND THE HONORS MAJOR, DESIGNED MAINLY TO PREPARE STUDENTS FOR GRADUATE STUDY IN PSYCHOLOGY.

GENERAL MAJOR--IN THIS PROGRAM THERE ARE NO PRESCRIBED COURSES.

HONORS MAJOR--THIS PROGRAM MUST INCLUDE PSYCHOLOGY 135, 290, AND TWO OF THE FOLLOWING COURSES--PSYCH. 330, 331, 345, 360, WITH THE CONSENT OF THE MAJOR ADVISOR, THE EQUIVALENT OF ANY OF THESE COURSES MAY BE SUBSTITUTED. THE HONORS MAJOR IS STRONGLY URGED TO TAKE--A - WORK IN H SECTIONS, WHEN AVAILABLE, AND IN ADVANCED COURSES IN PSYCHOLOGY, B - MATHEMATICS THROUGH CALCULUS, C - AT LEAST A FULL YEAR LABORATORY COURSE IN ANOTHER SCIENCE, D - AT LEAST TWO YEARS OF FRENCH, GERMAN, OR RUSSIAN, WITH TWO YEARS IN EACH OF TWO OF THESE BEING HIGHLY DESIRABLE.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, CHEMISTRY, ECONOMICS, EDUCATION, HISTORY, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, PHYSICS, PHYSIOLOGY, POLITICAL SCIENCE, SOCIAL WORK, SOCIOLOGY, SPEECH, AND ZOOLOGY.

DEPARTMENTAL DISTINCTION--THE MINIMUM REQUIREMENTS FOR GRADUATION WITH DEPARTMENTAL DISTINCTION IN PSYCHOLOGY ARE AS FOLLOWS--A - ELIGIBILITY FOR COLLEGE HONORS, B - SATISFACTORY COMPLETION OF THE COURSES REQUIRED IN THE HONORS MAJOR PROGRAM, C - FOUR HOURS OF CREDIT IN PSYCHOLOGY 291-292, INCLUDING AN ACCEPTABLE THESIS.

COURSES FOR UNDERGRADUATES

PSYCH 100 INTRODUCTION TO PSYCHOLOGY.
NOT OPEN TO STUDENTS ELECTING PSYCH. 103 OR D.G.S. 171.
REQUIRES FIVE HOURS OF PARTICIPATION IN LABORATORY EXPERIMENTS
4 HOURS
•STUDENTS IN LECT. A MUST ELECT A QUIZ SECTION A, IN LECT. B, A QUIZ SECTION B, ETC.
•SECTIONS &H AND &I ARE OFFERED IN THE SPECIAL INTEREST OF AND ARE LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.0 OR BETTER.

05709	LECT	•A	8	M W F	100	G H		DULANY
05625	QUIZ	A1	10	M	328	D K H		
05626	QUIZ	A2	11	M	326	D K H		
05627	QUIZ	A3	12	M	326	D K H		
05628	QUIZ	A4	1	M	328	D K H		
05629	QUIZ	A5	2	M	328	D K H		
05630	QUIZ	A6	3	M	328	D K H		
05631	QUIZ	A7	4	M	328	D K H		
05632	QUIZ	A8	8	TU	328	D K H		
05633	QUIZ	A9	9	TU	328	D K H		
05634	QUIZ	A10	10	TU	328	D K H		
05635	QUIZ	A11	11	TU	328	D K H		
05636	QUIZ	A12	12	TU	326	D K H		
05710	LECT	•B	8	M W F	103	M H		DULANY
05637	QUIZ	B1	10	M	325	D K H		
05638	QUIZ	B2	11	M	325	D K H		
05639	QUIZ	B3	12	M	325	D K H		
05640	QUIZ	B4	1	M	325	D K H		
05641	QUIZ	B5	2	M	325	D K H		
05642	QUIZ	B6	3	M	325	D K H		
05643	QUIZ	B7	4	M	325	D K H		
05644	QUIZ	B8	2	TU	325	D K H		
05645	QUIZ	B9	3	TU	325	D K H		
05646	QUIZ	B10	4	TU	325	D K H		

05711	LECT	*C	10	M	W	F	100	G	H		DULANY
05647	QUIZ	C1	2		W		328	D	K	H	
05648	QUIZ	C2	3		W		328	D	K	H	
05649	QUIZ	C3	4		W		328	D	K	H	
05650	QUIZ	C4	8			TH	328	D	K	H	
05651	QUIZ	C5	9			TH	328	D	K	H	
05652	QUIZ	C6	10			TH	328	D	K	H	
05653	QUIZ	C7	11			TH	328	D	K	H	
05654	QUIZ	C8	12			TH	328	D	K	H	
05655	QUIZ	C9	1			TH	328	D	K	H	
05656	QUIZ	C10	2			TH	328	D	K	H	
05657	QUIZ	C11	3			TH	328	D	K	H	
05658	QUIZ	C12	4			TH	328	D	K	H	
05712	LECT	*D	10	M	W	F	103	M	H		DULANY
05659	QUIZ	D1	8		TU		325	D	K	H	
05660	QUIZ	D2	9		TU		325	D	K	H	
05661	QUIZ	D3	10		TU		325	D	K	H	
05662	QUIZ	D4	11		TU		325	D	K	H	
05663	QUIZ	D5	12		TU		325	D	K	H	
05664	QUIZ	D6	1		TU		325	D	K	H	
05665	QUIZ	D7	1		TU		328	D	K	H	
05666	QUIZ	D8	2		TU		328	D	K	H	
05667	QUIZ	D9	3		TU		328	D	K	H	
05668	QUIZ	D10	[illegible]		TU		328	D	K	H	
05713	LECT	*E	1	M	W	F	100	G	H		DULANY
05669	QUIZ	E1	9			TH	325	D	K	H	
05670	QUIZ	E2	9			TH	325	D	K	H	
05671	QUIZ	E3	10			TH	325	D	K	H	
05672	QUIZ	E4	11			TH	325	D	K	H	
05673	QUIZ	E5	12			TH	325	D	K	H	
05674	QUIZ	E6	1			TH	325	D	K	H	
05675	QUIZ	E7	2			TH	325	D	K	H	
05676	QUIZ	E8	3			TH	325	D	K	H	
05677	QUIZ	E9	4			TH	325	D	K	H	
05678	QUIZ	E10	2		W		325	D	K	H	
05679	QUIZ	E11	3		W		325	D	K	H	
05680	QUIZ	E12	4		W		325	D	K	H	
05714	LECT	*F	1	M	W	F	103	M	H		DULANY
05681	QUIZ	F1	8		W		328	D	K	H	
05682	QUIZ	F2	9		W		328	D	K	H	
05683	QUIZ	F3	10		W		328	D	K	H	
05684	QUIZ	F4	11		W		328	D	K	H	
05685	QUIZ	F5	12		W		328	D	K	H	
05686	QUIZ	F6	8		W		325	D	K	H	
05687	QUIZ	F7	9		W		325	D	K	H	
05688	QUIZ	F8	10		W		325	D	K	H	
05689	QUIZ	F9	11		W		325	D	K	H	
05690	QUIZ	F10	12		W		325	D	K	H	
05715	LECT	*G	2	M	W	F	103	M	H		DULANY
05691	QUIZ	G1	8			F	328	D	K	H	
05692	QUIZ	G2	9			F	328	D	K	H	
05693	QUIZ	G3	10			F	328	D	K	H	
05694	QUIZ	G4	11			F	328	D	K	H	
05695	QUIZ	G5	12			F	328	D	K	H	
05696	QUIZ	G6	8			F	325	D	K	H	
05697	QUIZ	G7	9			F	325	D	K	H	
05698	QUIZ	G8	10			F	325	D	K	H	
05699	QUIZ	G9	11			F	325	D	K	H	
05700	QUIZ	G10	12			F	325	D	K	H	
05701	LECT	*&H	8	M	W	F	317	G	H		MUNSINGER
05702	QUIZ	*&H1	2		W		313	G	H		
05703	QUIZ	*&H2	3		W		313	G	H		
05704	QUIZ	*&H3	4		W		313	G	H		
05705	LECT	*&I	2	M	W	F	317	G	H		COHEN
05706	QUIZ	*&I1	12		TU		313	G	H		
05707	QUIZ	*&I2	1		TU		313	G	H		
05708	QUIZ	*&I3	2		TU		313	G	H		

PSYCH 101 HUMAN NATURE AND SOCIAL RELATIONS.
PREREQUISITE--PSYCH. 100 OR 103.
*CREDIT IS NOT GIVEN IN BOTH PSYCH. 101 AND 255.
*4 HOURS

05716	LECT	A	9	M	W	F	100	G	H		MCGRATH
05717	QUIZ	A1	2	M			313	G	H		
05718	QUIZ	A2	3	M			313	G	H		
05719	QUIZ	A3	4	M			313	G	H		
05720	QUIZ	A4	8		TU		315	G	H		
05721	QUIZ	A5	9		TU		315	G	H		
05722	QUIZ	A6	10		TU		315	G	H		
05723	QUIZ	A7	11		TU		315	G	H		
05724	QUIZ	A8	3		TU		313	G	H		
05725	QUIZ	A9	4		TU		313	G	H		

PSYCH101 CONTINUED

05726	LECT	B	2	M W F	100	G H		SOLDELL
05727	QUIZ	B1	9	TH	315	G H		
05728	QUIZ	B2	10	TH	315	G H		
05729	QUIZ	B3	11	TH	315	G H		
05730	QUIZ	B4	1	TH	313	G H		
05731	QUIZ	B5	2	TH	313	G H		
05732	QUIZ	B6	3	TH	313	G H		
05733	QUIZ	B7	4	TH	313	G H		
05734	QUIZ	B8	10	F	313	G H		
05735	QUIZ	B9	11	F	313	G H		

PSYCH 103 HUMAN BEHAVIOR.
NOT OPEN TO STUDENTS ELECTING PSYCH. 100 OR D.G.S. 171.
4 HOURS

05736	LECT		B	TU TH	100	G H		GREENBERG
05737	LAB	1	8-10	M W	446	G H		
05738	LAB	2	10-12	M W	446	G H		
05739	LAB	3	1-3	M W	446	G H		
05740	LAB	4	3-5	M W	446	G H		
05741	LAB	5	7-9PM	M W	446	G H		
05742	LAB	6	9-11	TU TH	446	G H		
05743	LAB	7	11-1	TU TH	446	G H		
05744	LAB	8	1-3	TU TH	446	G H		
05745	LAB	9	3-5	TU TH	446	G H		
05746	LAB	10	7-9PM	TU TH	446	G H		
05747	LAB	11	8-10	FS	446	G H		
05748	LAB	12	10-12	FS	446	G H		

PSYCH 135 STATISTICAL METHODS IN PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103.
*CREDIT IS NOT GIVEN FOR PSYCH 135 IN ADDITION TO ECON. 170 OR 171
MATH. 161, OR PSYCH. 235.
*3 HOURS

05749	LECT	A	9	M W F	317	G H		
05750	LECT	B	1	M W F	317	G H		N WIGGINS
05751	LECT	C	8-10	TU TH	307	G H		
05752	LECT	D	1-3	TU TH	307	G H		J FRANKMANN

PSYCH 145 PSYCHOLOGY IN BUSINESS AND INDUSTRY.
PREREQUISITE--PSYCH. 100 OR 103, OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR BOTH PSYCH. 145 AND PSYCH. 245.
*3 HOURS

05753	LECT		9	M W F	319	G H		NEALEY

PSYCH 150 PERSONALITY AND ADJUSTMENT.
PREREQUISITE--PSYCH. 100 OR 103.
*CREDIT IS NOT GIVEN FOR BOTH PSYCH. 150 AND 250.
*3 HOURS

05754	LECT		8	M W F	319	G H		GORE

COURSES FOR ADVANCED UNDERGRADUATES

PSYCH 216 CHILD PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103.
3 HOURS
*SECTION &H IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO
JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE-
POINT AVERAGE IS 4.0 OR BETTER.

05755	LECT	A	10-1120	TU TH	100	G H		MUNSINGER
05756	LECT	B	10	M W F	319	G H		L QUAY
05757	LECT	C	8-920	TU TH	319	G H		
05758	LECT	*&H	9	M W F	315	G H		WEIR

PSYCH 217 DEVELOPMENTAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103, A COURSE IN ZOOLOGY OR
PHYSIOLOGY OR CONSENT OF INSTRUCTOR.
3 HOURS

05759	LECT	A	1	M W F	315	G H		
05760	LECT	B	8-920	TU TH	317	G H		MCALLISTER

PSYCH 245 INDUSTRIAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103 AND A COURSE IN STATISTICS.
*CREDIT IS NOT GIVEN FOR BOTH PSYCH. 145 AND 245.
*3 HOURS

05761	LECT		11	M W F	317	G H		HULIN

PSYCH 253 PSYCHOLOGY OF PERSONALITY.
PREREQUISITE--PSYCH. 100 OR 103.
*CREDIT IS NOT GIVEN FOR BOTH PSYCH. 153 AND 253.
*3 HOURS
*SECTION &H IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO JAMES SCHOLARS HONORS CANDIDATES, AND STUDENTS WHOSE GRADE POINT AVERAGE IS 4.0 OR BETTER.

05762	LECT	A	11	M W F	319	G H		
05763	LECT	B	2	M W F	319	G H		
05764	LECT	C	10	M W F	317	G H		
05765	LECT	*&H	4	M W F	315	G H		

PSYCH 255 SOCIAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 100 OR 103.
*CREDIT IS NOT GIVEN FOR BOTH PSYCH. 101 AND 255.
*3 HOURS
*SECTION &H IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES, AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.0 OR BETTER.

05766	LECT	A	1	M W F	319	G H		
05767	LECT	B	10-1120	TU TH	319	G H		DAVIS
05768	LECT	C	1-220	TU TH	317	G H		
05769	LECT	*&H	10	M W F	315	G H		FIEDLER

PSYCH 256 PSYCHOLOGY OF ATTITUDE AND OPINION.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY.
3 HOURS

05770	LECT	A	11	M W F	315	G H		FISHBEIN
05771	LECT	B	8-920	TU TH	313	G H		

PSYCH 290 INTRODUCTION TO PSYCHOLOGICAL TESTS AND MEASUREMENT.
PREREQUISITE--PSYCH. 100 OR 103, AND A COURSE IN STATISTICS.
3 HOURS

05772	LECT		11	TU TH	317	G H		WIGGINS
05773	LAB	1	1-3	M W	443	G H		
05774	LAB	2	3-5	M W	443	G H		
05775	LAB	3	1-3	TU TH	443	G H		
05776	LAB	4	3-5	TU TH	443	G H		

PSYCH 292 HONORS.
PREREQUISITE--PSYCH. 291.
2 TO 4 HOURS

05777	DISC	&A	ARR					STAFF

PSYCH 294 INDIVIDUAL TOPICS.
PREREQUISITE--TEN HOURS OF PSYCHOLOGY, A GRADE-POINT AVERAGE OF 4.0, AND WRITTEN CONSENT OF THE INSTRUCTOR, IN EXCEPTIONAL CASES, UPON RECOMMENDATION OF THE INSTRUCTOR AND APPROVAL BY THE HEAD OF THE DEPARTMENT, STUDENTS MAY BE ADMITTED WITH A GRADE-POINT AVERAGE OF 3.75.
2 TO 4 HOURS

05778	DISC	&A	ARR					STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

PSYCH 307 QUANTITATIVE METHODS, II.
PREREQUISITE--PSYCH. 306.
4 HOURS, OR 1 UNIT

05779	LECT	A	10-12	M W	313	G H		R FRANKMANN
05780	LECT	B	10-12	TU TH	313	G H		R FRANKMANN
05781	LAB	1	8-10	TH	443	G H		
05782	LAB	2	10-12	TH	443	G H		
05783	LAB	3	8-10	F	443	G H		
05784	LAB	4	10-12	F	443	G H		
05785	LAB	5	1-3	F	443	G H		

PSYCH 326 MOTIVATION AND EMOTION.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT

05786	LECT	A	1-220	TU TH	319	G H		
05787	LECT	B	2	M W F	315	G H		

PSYCH 331 EXPERIMENTAL PSYCHOLOGY, II.
PREREQUISITE--PSYCH. 100 OR 103, AND A COURSE IN STATISTICS.
4 HOURS, OR 1/2 UNIT

05788	LECT		10	TU TH	317	G H	MONTAGUE
05789	LAB	1	1-3	M W	446	G H	
05790	LAB	2	3-5	M W	446	G H	
05791	LAB	3	1-3	TU TH	446	G H	
05792	LAB	4	3-5	TU TH	446	G H	

PSYCH 332 RESEARCH METHODS IN SOCIAL PSYCHOLOGY.
PREREQUISITE--PSYCH. 255 AND A COURSE IN STATISTICS.
4 HOURS, OR 1/2 OR 1 UNIT

05793	LECT		1	TU TH	315	G H	SUEDFELD
05794	LAB	1	8-10	TU TH	446	G H	
05795	LAB	2	10-12	TU TH	446	G H	

PSYCH 338 ABNORMAL PSYCHOLOGY.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY, JUNIOR STANDING EXCEPT FOR THOSE IN THE PREMEDICAL CURRICULUM WHO MAY TAKE THE COURSE AS SECOND SEMESTER SOPHOMORES WITH FOUR HOURS OF PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT
*SECTION GH IS OFFERED IN THE SPECIAL INTEREST OF AND IS LIMITED TO JAMES SCHOLARS, HONORS CANDIDATES AND STUDENTS WHOSE GRADE-POINT AVERAGE IS 4.0 OR BETTER.

05796	LECT	A	11	M W F	100	G H	PETERSON
05797	LECT	B	1-220	TU TH	100	G H	GORE
05798	LECT	*GH	8	M W F	313	G H	EISEN

PSYCH 345 COMPARATIVE PSYCHOLOGY.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY, OR PSYCH. 100 OR 103, AND A COURSE IN ZOOLOGY.
4 HOURS, OR 1/2 OR 1 UNIT

05799	LECT		9	M W F	313	G H	MCALLISTER
05799	LAB		ARR				

PSYCH 346 BEHAVIOR GENETICS.
PREREQUISITE--PSYCH. 100 OR 103 AND A COURSE IN STATISTICS.
4 HOURS, OR 1/2 OR 1 UNIT

05800	LECT		2-320	TU TH	315	G H	HIRSCH
05800	LAB		330-5	TU TH	409	G H	

PSYCH 348 THE PSYCHOLOGY OF LEARNING.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY.
3 HOURS, OR 1/2 OR 1 UNIT

05801	LECT		1	M W F	313	G H	

PSYCH 356 HUMAN FACTORS IN EQUIPMENT DESIGN.
PREREQUISITE--PSYCH. 100 OR 103, AND ONE COURSE IN STATISTICS OR COLLEGE MATHEMATICS.
3 HOURS, OR 1/2 OR 1 UNIT

05802	LECT		3-420	TU TH	317	G H	GREENBERG

PSYCH 357 PSYCHOLOGY OF INDUSTRIAL CONFLICT.
SAME AS L.I.R. 357.
PREREQUISITE--PSYCH. 100 OR EQUIVALENT.
3 HOURS, OR 1/2 OR 1 UNIT

05803	LECT		3-420	TU TH	307	G H	HULIN

PSYCH 365 EXPERIMENTAL CHILD PSYCHOLOGY.
PREREQUISITE--SIX HOURS OF PSYCHOLOGY WITH AN AVERAGE GRADE OF B, A COURSE IN STATISTICS.
3 HOURS, OR 1/2 OR 1 UNIT

05804	LECT		7-10PM	TH	307	G H	WEIR

PSYCH 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS ANTH., GEOG., H. ED., PHYSL., SOC., AND V.M.S. 374.
PREREQUISITE--ANTH., GEOG., PHYSL., SOC., V.M.S. OR ZOOL. 369.
4 HOURS OR 1 UNIT

05805	LECT		11	M WTHF	242	REV HALL	

NOTE--THE PREREQUISITES STATED APPLY TO GRADUATE MAJORS IN PSYCHOLOGY. STUDENTS MINORING IN PSYCHOLOGY MAY, BY SPECIAL PERMISSION OF INSTRUCTORS, ENROLL IN CERTAIN OF THESE COURSES WITHOUT HAVING MET ALL OF THE PREREQUISITES.

PSYCH 402 SYSTEMATIC PSYCHOLOGY.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT

05806	LECT	1-3	M	307 G H		DULANY

PSYCH 404 PROSEMINAR IN GENERAL PSYCHOLOGY, II.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT

05807	LECT	3-5	TUWTH	319 G H	

PSYCH 409 PSYCHOLOGICAL SCALING.
SAME AS SLG. 409.
PREREQUISITE--PSYCH. 307.
1 UNIT

05808	LECT	10-12	TU	307 G H		TUCKER

PSYCH 416 PERCEPTION.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT

05809	LECT	1-3	W	307 G H		HAKE
05809	LAB	ARR				

PSYCH 417 EXPERIMENTAL PSYCHOLOGY OF LEARNING, I--BASIC PROCESSES.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT

05810	LECT	10-12	M	307 G H		GRICE
05810	LAB	ARR				

PSYCH 418 EXPERIMENTAL PSYCHOLOGY OF LEARNING, II. HUMAN LEARNING.
PREREQUISITE--PSYCH. 417 OR CONSENT OF INSTRUCTOR.
1 UNIT

05811	LECT	10-12	F	307 G H		ADAMS
05811	LAB	ARR				

PSYCH 419 ADVANCED COMPARATIVE PSYCHOLOGY.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY OR BIOLOGY.
1 UNIT

05812	LECT	1-3	W	445 G H		HIRSCH
05812	LAB	ARR				

PSYCH 421 PROBLEMS IN MOTIVATION.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY.
1 UNIT

05813	LECT	11-1	W	129 N RACE		OKELLY
05813	LAB	ARR				

PSYCH 426 RESEARCH SEMINAR IN PSYCHOLINGUISTICS.
SAME AS LING. AND COMM. 426.
PREREQUISITE--PSYCH. 425, CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

05814	LECT	11-1	TH	307 G H		MIRON

PSYCH 435 MOTIVATION AND MORALE IN INDUSTRY.
SAME AS L.I.R. 435.
PREREQUISITE--FOUR UNITS OF GRADUATE CREDIT IN PSYCHOLOGY OR CONSENT OF INSTRUCTOR.
1 UNIT

05815	LECT	1-3	TH	445 G H		NEALEY

PSYCH 444 PSYCHODIAGNOSTICS, II.
PREREQUISITE--PSYCH. 443, CONSENT OF INSTRUCTOR.
1 UNIT

05816	LECT	8-10	TU	445 G H		W BECKER AND
05816	LAB	10-12	TU	PSYCH CLINIC		J WIGGINS

PSYCH 446 LABORATORY IN BEHAVIOR MODIFICATION.
PREREQUISITE--PSYCH. 445.
1/2 UNIT
05817 LECT 1-5 W PSYCH CLINIC CLINIC STAF

PSYCH 447 PRACTICUM.
PREREQUISITE--CREDIT OR REGISTRATION IN PSYCH. 445 AND 446.
*STUDENTS MAY ACCUMULATE 1 UNIT.
*1/2 UNIT
05818 LAB ARR PSYCH CLINIC CLINIC STAF

PSYCH 451 ADVANCED SOCIAL PSYCHOLOGY.
SAME AS COMM. 451.
PREREQUISITE--TWELVE HOURS OF PSYCHOLOGY, INCLUDING PSYCH. 255 OR EQUIVALENT.
1 UNIT
05819 LECT 3-5 M 307 G H MCGRATH

PSYCH 456 PSYCHOLOGY OF SOCIAL COMMUNICATION.
SAME AS COMM. 456.
PREREQUISITE--PSYCH. 451 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
1 UNIT
05820 LECT 1-3 F 307 G H FISHBEIN

PSYCH 463 RESEARCH METHODS IN CLINICAL PSYCHOLOGY AND PERSONALITY, I.
PREREQUISITE--PSYCH. 306, 403.
1/2 UNIT
05821 LECT A 3-5 M 445 G H ERIKSEN
05822 LECT B 10-12 F 445 G H J WIGGINS

PSYCH 468 CONTEMPORARY BEHAVIOR THEORY.
PREREQUISITE--SIX UNITS OF GRADUATE CREDIT IN PSYCHOLOGY, CONSENT OF INSTRUCTOR.
1 UNIT
05823 LECT 10-12 W 307 G H GRICE

PSYCH 490 INDIVIDUAL RESEARCH.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS
05824 CONF ARR STAFF

PSYCH 492 PSYCHOLOGY OF LEARNING AND INSTRUCTION.
SAME AS ED. PSY. 492.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
05825 LECT 10-12 TU 445 G H STOLUROW

PSYCH 493 SEMINAR.
PREREQUISITE--SIX UNITS OF GRADUATE CREDIT IN PSYCHOLOGY--CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
05826 CONF ARR STAFF

PSYCH 495 THEORY OF MEASUREMENT.
SAME AS ED. PSY. 495.
PREREQUISITE--ED. PSY. 496 OR PSYCH. 307 OR EQUIVALENT, ED. PSY. 392 OR PSYCH. 290 OR EQUIVALENT.
1 UNIT
05827 LECT 3-5 W 307 G H TUCKER

PSYCH 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION A IS FOR M.A. THESIS, SECTION B IS FOR PH. D. THESIS.
05828 CONF ARR STAFF

DEPARTMENT OFFICE 44 G H

COURSES FOR ADVANCED UNDERGRADUATES

R TV 252 TELEVISION LABORATORY.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS
*LAB A FOR RADIO-TV MAJORS ONLY.

05829	LECT		3	M	14 G H		ALDRIDGE
05830	LAB	A	8-10	W F	TV BLDG		ALDRIDGE
05831	LAB	J	8-10	TU TH	TV BLDG		ALDRIDGE

R TV 261 PRINCIPLES OF RADIO AND TELEVISION BROADCASTING.
2 HOURS

05832	LECT-DISC	N	1	TU TH	45 G H		SKORNIA

R TV 263 RADIO AND TELEVISION ANNOUNCING.
PREREQUISITE--SPEECH 141 OR EQUIVALENT, CONSENT OF INSTRUCTOR.
2 HOURS

05833	LECT-DISC	J	8-10	TU TH	233 G H		LIMBURG
05834	LECT-DISC	L	10-12	TU TH	233 G H		LIMBURG

R TV 266 BROADCAST CONTINUITY WRITING.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS

05835	LECT-DISC		1	M W F	225 G H		LIPPOLD

R TV 267 RADIO PRODUCTION AND DIRECTION.
3 HOURS

05836	LECT		10	M	233 G H		REGNELL
05836	LAB		10-12	W F	233 G H		REGNELL

R TV 291 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 OR 3 HOURS

05837	CONF	EA	APR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

R TV 354 TELEVISION DIRECTING.
PREREQUISITE--R TV 252, CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

05838	LECT		9	M	225 G H		CORDIER
05838	LAB		8-10	W F	TV BLDG		CORDIER

R TV 356 CINEMATOGRAPHY FOR TELEVISION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

05839	LECT		1	TU TH	606 1/2 E GREEN		SIMS
05839	LAB		2-5	TH	606 1/2 E GREEN		SIMS

R TV 360 EDUCATIONAL USES OF TELEVISION AND RADIO.
SAME AS SE. ED. AND COMM. 360.
3 HOURS, OR 1/2 UNIT
*ONE ADDITIONAL HOUR TO BE ARRANGED.

05840	LECT-DISC		7-9PM	W	123 G H		SKORNIA

R TV 365 RADIO NEWS.
PREREQUISITE--JOURN. 211.
3 HOURS, OR 1/2 UNIT

05841	LECT		2	M	225 G H		CRAMER
05841	LAB		2-4	W F	225 G H		CRAMER

R TV 366 ADVANCED RADIO AND TELEVISION PRACTICES, I.
PREREQUISITE--ALL COURSES IN AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

05842	CONF	A	ARR	CORDIER
05843	CONF	B	ARR	CRAMER
05844	CONF	C	ARR	LIPPOLD
05845	CONF	D	ARR	REGNELL
05846	CONF	E	ARR	SIMS
05847	CONF	F	ARR	SMALLEY

R TV 367 ADVANCED RADIO AND TELEVISION PRACTICES, II.
PREREQUISITE--ALL COURSES IN AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/2 UNIT

05848	CONF	A	ARR	CORDIER
05849	CONF	B	ARR	CRAMER
05850	CONF	C	ARR	LIPPOLD
05851	CONF	D	ARR	REGNELL
05852	CONF	E	ARR	SIMS
05853	CONF	F	ARR	SMALLEY

R TV 368 RADIO AND TELEVISION REGULATIONS.
2 HOURS, OR 1/2 UNIT

05854	LECT-DISC	L	10	TU TH	43 G H	SCHOOLEY

COURSES FOR GRADUATES

R TV 450 SPECIAL PROBLEMS IN TELEVISION.
PREREQUISITE--A TELEVISION COURSE IN THE AREA OF SPECIALIZATION, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 4 UNITS
*1 OR 2 UNITS

05855	CONF	A	ARR	CORDIER
05856	CONF	B	ARR	LIPPOLD

R TV 451 TELEVISION PROGRAM MANAGEMENT AND PRODUCTION.
PREREQUISITE--COURSE OR EXPERIENCE IN TELEVISION DIRECTING AND PRODUCTION, CONSENT OF INSTRUCTOR.
1 UNIT

05857	LECT-DISC		3-5	W	18 G H	CORDIER

R TV 463 WORLD BROADCASTING.
PREREQUISITE--R. TV. 462 OR CONSENT OF INSTRUCTOR.
1 UNIT

05858	LECT-DISC		3-5	M	18 G H	SKURNIA

R TV 490 SPECIAL TOPICS IN RADIO AND TELEVISION.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
1/2 OR 1 UNIT

05859	CONF	ARR	STAFF

R TV 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN RADIO AND TELEVISION.
1 OR 2 UNITS

05860	CONF	ARR	STAFF

DEPARTMENT OFFICE 104 HUFF GYM

COURSES FOR UNDERGRADUATES

REC 166 ACTIVITIES LEADERSHIP.
2 HOURS

05861	LECT-DISC	G	12-2	TU	207	W GYM	PARKER
		G	11-1245	TH	411 W	CLARK	PARKER
		G	1	TH	207	W GYM	PARKER

REC 170 OUTDOOR RECREATIONAL SPORTS.
SAME AS P.E.W. AND P.E.M. 170.
2 HOURS
NOTE--FIRST CLASS MEETING WILL BE HELD IN WEST BALCONY, HUFF GYM.
*F1--SECTION FOR MEN ONLY
*F2--SECTION FOR WOMEN ONLY

05862	LECT	F	2	TU TH	207	HUFF GYM	GARRET AND PARKER
05863	LAB	*F1	1-3	M W F	ARR		GARRET
05864	LAB	*F2	1-3	M W F	ARR		PARKER

REC 171 INDOOR RECREATIONAL SPORTS.
SAME AS P.E.W. AND P.E.M. 171.
2 HOURS
NOTE--FIRST CLASS MEETING WILL BE IN WEST BALCONY, HUFF GYM.
*F1--SECTION FOR MEN ONLY
*F2--SECTION FOR WOMEN ONLY

05865	LECT	F	2	TU TH	207	HUFF GYM	GARRET AND PARKER
05866	LAB	*F1	1-3	M W F	ARR		GARRET
05867	LAB	*F2	1-3	M W F	ARR		PARKER

REC 174 CAMP COUNSELING.
3 HOURS
*INCLUDES FIVE PRACTICAL CAMPING SESSIONS WITH BOYS AND GIRLS, 8.30 A.M. TO 12.00 NOON SATURDAYS, OCT. AND NOV.

05868	LECT-DISC	A	8	M W F	207	HUFF GYM	WEAVER
05869	LECT-DISC	C	10	M W F	211	HUFF GYM	WEAVER

REC 176 PRINCIPLES OF RECREATION.
3 HOURS
*RECREATION MAJORS ONLY.

05870	LECT-DISC	B	9	M W F	211	HUFF GYM	FRYE
05871	LECT-DISC	D	11	M W F	211	HUFF GYM	SAPORA
05872	LECT-DISC	G	2	M W F	211	HUFF GYM	WEAVER

COURSES FOR ADVANCED UNDERGRADUATES

REC 208 FIELD EXPERIENCE.
PREREQUISITE--ONE YEAR OF WORK IN THE RECREATION CURRICULUM OR CONSENT OF INSTRUCTOR.
NO CREDIT

05873	LAB-DISC	ARR	FRYE

REC 209 FIELD EXPERIENCE.
PREREQUISITE--ONE YEAR OF WORK IN THE RECREATION CURRICULUM OR CONSENT OF INSTRUCTOR.
NO CREDIT

05874	LAB-DISC	ARR	FRYE

REC 250 SPECIAL PROBLEMS.
SAME AS H. ED., P.E.W., AND P.E.M. 250.
PREREQUISITE--JUNIOR OR SENIOR STANDING--MINIMUM GRADE POINT AVERAGE OF 3.5--CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL OF DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 4 OR 6 HOURS OF CREDIT.
*2 OR 3 HOURS

05875	LECT-DISC	EA	3	M F	211	HUFF GYM	STAFF

REC 260 HONORS SEMINAR.
AS H. ED., P.E.W., AND P.E.M. 260.
PREREQUISITE--JAMES SCHOLAR OR AVERAGE OF 4.0 THE PRECEDING SEMESTER, WITH CONSENT OF FACULTY ADVISOR AND INSTRUCTOR. APPROVAL OF DEPARTMENT HEAD.
*MAY BE REPEATED FOR A TOTAL OF 6 HOURS OF CREDIT.
*2 HOURS

05876	LECT-DISC	&A	4	M F	211	HUFF GYM	STAFF

REC 270 SOCIAL RECREATION ACTIVITIES.
2 HOURS

05877	LECT		10	TU TH	211	HUFF GYM	PARKER
05877	LAB		7-9PM	TU	218	E B GYM	PARKER

REC 274 INTRODUCTION TO OUTDOOR EDUCATION AND RECREATION.
PREREQUISITE--REC. 176 OR CONSENT OF INSTRUCTOR.
3 HOURS

05878	LECT-DISC	R	3-5	TU TH	211	HUFF GYM	WEAVER

REC 290 INTRODUCTION TO RECREATION FOR THE ILL AND HANDICAPPED.
PREREQUISITE--REC. 176 AND 208 OR 209, OR CONSENT OF INSTRUCTOR.
3 HOURS

05879	LECT-DISC		8	M W F	211	HUFF GYM	FRYE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

REC 375 ORGANIZATION OF RECREATION PROGRAMS.
PREREQUISITE--REC. 176 AND ADVANCED UNDERGRADUATE STANDING.
3 HOURS, OR 1/2 UNIT

05880	LECT-DISC	C	10	M W F	207A	HUFF GYM	SAPORA

COURSES FOR GRADUATES

REC 402 RECREATION ADMINISTRATION.
PREREQUISITE--BASIC COURSES IN THE ORGANIZATION OF RECREATION OR EQUIVALENT.
1 UNIT

05881	LECT-DISC	G	2-4	M	207A	HUFF GYM	BRIGHTBILL

REC 404 OUTDOOR EDUCATION AND RECREATION.
PREREQUISITE--REC. 174 OR EQUIVALENT, ONE UNDERGRADUATE COURSE IN ANY ONE OF THE FOLLOWING, BIOLOGY, BOTANY, ZOOLOGY, OR GEOLOGY.
1 UNIT

05882	LECT-DISC	N	10-12	TU	207A	HUFF GYM	WEAVER

REC 490 SEMINAR.
NO CREDIT

05883	LECT-DISC		2-4	TU	207A	HUFF GYM	BRIGHTBILL

REC 493 SPECIAL PROJECTS.
PREREQUISITE--REC. 403 OR EQUIVALENT, RECREATION MAJOR.
1/2 TO 2 UNITS, SUMMER--1/2 OR 1 UNIT

05884	CONF		ARR	STAFF

REC 499 THESIS RESEARCH.
1/2 TO 2 UNITS

05885	CONF		ARR	STAFF

INCLUDING RHETORIC AND COMPOSITION, ENGLISH
FOR FOREIGN STUDENTS, AND BUSINESS ENGLISH

RHETORIC AND COMPOSITION

DEPARTMENT OFFICE 100 E B

MAJOR--TWENTY HOURS IN ENGLISH EXCLUDING RHET. 101, 102, 107, 108, 151, 200, 271, 272, ENGL. 101, 102, 103, 105, 106, 113, 114, 121, 122, 123, 304, AND INCLUDING TEN HOURS OF ENGLISH OR AMERICAN LITERATURE, AT LEAST SIX OF WHICH MUST BE CHOSEN FROM THE ADVANCED COURSES, AND TEN HOURS IN COMPOSITION CHOSEN FROM RHET. 143, 144, 205 206, 227, 246, 255, 256, 263, 330, AND INCLUDING AT LEAST ONE COURSE IN EXPOSITORY WRITING. WITH THE PERMISSION OF THE ADVISER, ONE OF THE FOLLOWING COURSES MAY BE COUNTED TOWARD A COMPOSITION MAJOR--SPEECH 363, JOURN. 266, 326.
STUDENTS WHO PLAN TO ENTER GRADUATE COLLEGE MUST SATISFY THE REQUIREMENTS OF FOURTEEN HOURS OF COURSES IN ENGLISH AND AMERICAN LITERATURE.

MINOR--AN APPROVED SEQUENCE OF TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS WITH AT LEAST EIGHT HOURS IN THE LESSER OF TWO IF TWO ARE CHOSEN--ANTHROPOLOGY, ANY FOREIGN LANGUAGE, HISTORY, HUMANITIES, LAW, LIBRARY SCIENCE, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND SPEECH--
OR AN APPROVED SEQUENCE IN HISTORY OF ARCHITECTURE, HISTORY OF ART, OR MUSIC--NOT INCLUDING APPLIED MUSIC--COMBINED WITH ANY ONE OF THE ABOVE SUBJECTS. WITH THE WRITTEN APPROVAL OF THE HEAD OF THE DEPARTMENT, OTHER SUBJECTS MAY BE SUBSTITUTED. NO LANGUAGE COURSES WILL SATISFY MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJOR OF THEIR DEPARTMENT EXCEPT FRENCH 103, LATIN 101, 102, 103, PORTUGUESE 103, 104, AND SPANISH 103. FOREIGN LANGUAGE DEPARTMENT COURSES PRESENTING FOREIGN LITERATURE IN TRANSLATION ARE ALSO EXCLUDED. STUDENTS INTENDING TO DO GRADUATE WORK SHOULD CONSULT THE LANGUAGE REQUIREMENTS OF THE GRADUATE COLLEGE AND THE ENGLISH DEPARTMENT WHEN THEY PLAN THEIR MINOR PROGRAMS.

DEPARTMENTAL DISTINCTION--A STUDENT MAJORING IN RHETORIC AND COMPOSITION WHO MEETS THE UNIVERSITY GRADE-POINT REQUIREMENT--4.0 OR HIGHER--MAY EARN DISTINCTION ONLY BY OFFERING SIX HOURS OF WORK IN ADDITION TO THE MINIMUM NUMBER OF HOURS REQUIRED FOR THE MAJOR. THIS ADDITIONAL CREDIT MUST INVOLVE A SIGNIFICANT WRITING PROJECT IN RHET. 255 AND THE COMPLETION OF EITHER ENGL. 297 OR ENGL. 298. THE LEVEL OF DISTINCTION--DISTINCTION, HIGH DISTINCTION, HIGHEST DISTINCTION--IS DETERMINED BY THE INSTRUCTORS IN CHARGE OF THESE COURSES AND THE HONORS COMMITTEE. TO RECEIVE HIGH DISTINCTION, HOWEVER, A STUDENT MUST HAVE A MINIMUM GRADE-POINT AVERAGE OF 4.5 IN ALL COURSES THAT COUNT TOWARD HIS MAJOR, TO RECEIVE HIGHEST DISTINCTION, HIS AVERAGE IN THESE COURSES MUST BE AT LEAST 4.75. IF IN THE OPINION OF HIS INSTRUCTORS AND THE COMMITTEE, A CANDIDATE HAS NOT EARNED DISTINCTION, HE MAY STILL RECEIVE CREDIT FOR THE COURSE.

COURSES FOR UNDERGRADUATES

RHET 101 FRESHMAN RHETORIC AND COMPOSITION.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS

05886	LECT-DISC	A1	8	M	W	F	204	A L	HARTL
05887	LECT-DISC	A2	8	M	W	F	64	M E B	HAND
05888	LECT-DISC	A3	8	M	W	F	196	L H	BROWNER
05889	LECT-DISC	A4	8	M	W	F	119	E B	MCGRATH
05890	LECT-DISC	B1	9	M	W	F	244	M E B	W TANKSLEY
05891	LECT-DISC	B2	9	M	W	F	64	M E B	HAND
05892	LECT-DISC	C1	10	M	W	F	244	M E B	W TANKSLEY
05893	LECT-DISC	C2	10	M	W	F	64	M E B	HELDRETH
05894	LECT-DISC	C3	10	M	W	F	307	E B	BROWNER
05895	LECT-DISC	D1	11	M	W	F	242	ARMORY	HARTL
05896	LECT-DISC	D2	11	M	W	F	64	M E B	HELDRETH
05897	LECT-DISC	D3	11	M	W	F	307	E B	JOHNSEN
05898	LECT-DISC	D4	11	M	W	F	243	ARMORY	MCGRATH

RHET 101 CONTINUED

05899	LECT-DISC	X1	12	M	W	F	117	E B		E TANKSLEY
05900	LECT-DISC	X2	12	M	W	F	115	E C		BOWERS
05901	LECT-DISC	X3	12	M	W	F	195	N L		LIGHTNER
05902	LECT-DISC	E1	1	M	W	F	115	E C		LIGHTNER
05903	LECT-DISC	E2	1	M	W	F	248	/M E B		BURPEE
05904	LECT-DISC	E3	1	M	W	F	119	E B		JAMES AVINGER
05905	LECT-DISC	F1	2	M	W	F	199	E C		MEERSE
05906	LECT-DISC	F2	2	M	W	F	248	M E B		BURPEE
05907	LECT-DISC	F3	2	M	W	F	119	E B		JAMES AVINGER
05908	LECT-DISC	G1	3	M	W	F	204	N L		JUDITH AVINGER
05909	LECT-DISC	G2	3	M	W	F	435	N H B		BONDS
05910	LECT-DISC	G3	3	M	W	F	164	N L		BAKER
05911	LECT-DISC	H1	4	M	W	F	204	N L		JUDITH AVINGER
05912	LECT-DISC	H2	4	M	W	F	435	N H B		BONDS
05913	LECT-DISC	R1	3	TU			204	N L		
		R1	3-5		TH		204	N L		
05914	LECT-DISC	T1	1-3	TU			64	M E B		HACKER
		T1	1		TH		64	M E B		
05915	LECT-DISC	U1	3-5	TU			311	D H		KANTZER
		U1	2		TH		311	D H		

RHET 102 FRESHMAN RHETORIC AND COMPOSITION.

PREREQUISITE--RHET. 101.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.

*3 HOURS

05916	LECT-DISC	A1	8	M	W	F	9	C A		AUBERT
05917	LECT-DISC	A2	8	M	W	F	216	M E L		BUTTERFIELD
05918	LECT-DISC	A3	8	M	W	F	242	ARMORY		DONOVAN
05919	LECT-DISC	A4	8	M	W	F	156	M E B		DUST
05920	LECT-DISC	A5	8	M	W	F	144	BEV HALL		MILLER
05921	LECT-DISC	A6	8	M	W	F	147	ARMORY		POTEET
05922	LECT-DISC	A7	8	M	W	F	238	M E B		SLIGHTS
05923	LECT-DISC	A8	8	M	W	F	210	C A		BIANCHI
05924	LECT-DISC	A9	8	M	W	F	8	C A		FARQUHAR
05925	LECT-DISC	A10	8	M	W	F	204N	H H		O HILL
05926	LECT-DISC	A11	8	M	W	F	101	E C		CONLEE
05927	LECT-DISC	A12	8	M	W	F	349	ARMORY		M SMITH
05928	LECT-DISC	A13	8	M	W	F	110	E B		HOLMES
05929	LECT-DISC	A14	8	M	W	F		P A R		LAMAR
05930	LECT-DISC	A15	8	M	W	F		P A R		DAWSON
05931	LECT-DISC	A16	8	M	W	F	138	M E B		ROSENTHAL
05932	LECT-DISC	B1	9	M	W	F	9	C A		BLANKENSTEIN
05933	LECT-DISC	B2	9	M	W	F	216	M E L		BUTTERFIELD
05934	LECT-DISC	B3	9	M	W	F	242	ARMORY		PARSONS
05935	LECT-DISC	B4	9	M	W	F	128	W GYM		ROSENWALD
05936	LECT-DISC	B5	9	M	W	F	243	ARMORY		MARLEY
05937	LECT-DISC	B6	9	M	W	F	156	M E B		MESSIER
05938	LECT-DISC	B7	9	M	W	F	147	ARMORY		GARVIN
05939	LECT-DISC	B8	9	M	W	F	435	N H B		HALEY
05940	LECT-DISC	B9	9	M	W	F	110	E B		REGAN
05941	LECT-DISC	B10	9	M	W	F	193	E C		MANN
05942	LECT-DISC	B11	9	M	W	F	238	M E B		SLIGHTS
05943	LECT-DISC	B12	9	M	W	F	210	C A		BIANCHI
05944	LECT-DISC	B13	9	M	W	F	8	C A		FARQUHAR
05945	LECT-DISC	B14	9	M	W	F	204N	H H		O HILL
05946	LECT-DISC	B15	9	M	W	F	202	H H		ROSENWALD
05947	LECT-DISC	C1	10	M	W	F	110	E B		DONOVAN
05948	LECT-DISC	C2	10	M	W	F	128	W GYM		CONLEE
05949	LECT-DISC	C3	10	M	W	F	243	ARMORY		PARSONS
05950	LECT-DISC	C4	10	M	W	F	147	ARMORY		GARVIN
05951	LECT-DISC	C5	10	M	W	F	434	N H B		GROUTT
05952	LECT-DISC	C6	10	M	W	F	238	M E B		HAGGERTY
05953	LECT-DISC	C7	10	M	W	F	435	N H B		HALEY
05954	LECT-DISC	C8	10	M	W	F	193	E C		MANN
05955	LECT-DISC	C9	10	M	W	F	156	M E B		MILLER
05956	LECT-DISC	C10	10	M	W	F	204N	H H		POTEET
05957	LECT-DISC	C11	10	M	W	F	108	SURV BLDG		POWERS
05958	LECT-DISC	C12	10	M	W	F	8	C A		GASIOR
05959	LECT-DISC	C13	10	M	W	F	101	E C		BUTLER
05960	LECT-DISC	D1	11	M	W	F	110	E B		CUNNINGHAM
05961	LECT-DISC	D2	11	M	W	F	156	M E B		GARBER
05962	LECT-DISC	D3	11	M	W	F	147	ARMORY		MARLEY
05963	LECT-DISC	D4	11	M	W	F	434	N H B		GROUTT
05964	LECT-DISC	D5	11	M	W	F	238	M E B		HAGGERTY
05965	LECT-DISC	D6	11	M	W	F	435	N H B		DAWSON
05966	LECT-DISC	D7	11	M	W	F	144	BEV HALL		HALL
05967	LECT-DISC	D8	11	M	W	F	193	E C		BUTLER
05968	LECT-DISC	D9	11	M	W	F	108	SURV BLDG		POWERS
05969	LECT-DISC	D10	11	M	W	F		P A R		DUBOIS
05970	LECT-DISC	D11	11	M	W	F	8	C A		AUBERT
05971	LECT-DISC	D12	11	M	W	F	204N	H H		O HILL

RHET 102 CONTINUED

05972	LECT-DISC	D13	11	M	W	F	101	E C		TUFTS
05973	LECT-DISC	D14	11	M	W	F		P A R		HOLMES
05974	LECT-DISC	D15	11	M	W	F	303	E B		TIBBETTS
05975	LECT-DISC	X1	12	M	W	F	110	E B		
05976	LECT-DISC	X2	12	M	W	F	156	M E B		GARBER
05977	LECT-DISC	X3	12	M	W	F	112	E B		
05978	LECT-DISC	X4	12	M	W	F	238	M E B		SCHNEIDER
05979	LECT-DISC	X5	12	M	W	F	128	W GYM		HOEG
05980	LECT-DISC	X6	12	M	W	F	327	G H		JAMES JOHNSON
05981	LECT-DISC	X7	12	M	W	F	144	BEV HALL		HALL
05982	LECT-DISC	X8	12	M	W	F	243	ARMORY		MINNIS
05983	LECT-DISC	X9	12	M	W	F	140	ADMIN		NEUMANN
05984	LECT-DISC	X10	12	M	W	F	337	ARMORY		NEWTON
05985	LECT-DISC	X11	12	M	W	F	208	E B		NICHOLS
05986	LECT-DISC	X12	12	M	W	F	435	N H B		ONTMAN
05987	LECT-DISC	X13	12	M	W	F	108	SURV BLDG		POWERS
05988	LECT-DISC	X14	12	M	W	F	210B	E B		ROGERS
05989	LECT-DISC	X15	12	M	W	F	204N	H H		SHIELDS
05990	LECT-DISC	X16	12	M	W	F	201	E B		SUMMERS
05991	LECT-DISC	X17	12	M	W	F	8	C A		CUNNINGHAM
05992	LECT-DISC	X18	12	M	W	F	119	E B		SCHRADER
05993	LECT-DISC	X19	12	M	W	F	300	N L		LINDSTRAND
05994	LECT-DISC	E1	1	M	W	F	242	ARMORY		ANDERSEN
05995	LECT-DISC	E2	1	M	W	F	216	M E L		E CADE
05996	LECT-DISC	E3	1	M	W	F	435	N H B		DUFF
05997	LECT-DISC	E4	1	M	W	F	156	M E B		FELTSKOG
05998	LECT-DISC	E5	1	M	W	F	101	E C		HART
05999	LECT-DISC	E6	1	M	W	F	147	ARMORY		HOLLINGTON
06000	LECT-DISC	E7	1	M	W	F	199	E C		HENNEDY
06001	LECT-DISC	E8	1	M	W	F	144	BEV HALL		EDWARDS
06002	LECT-DISC	E9	1	M	W	F	243	ARMORY		MINNIS
06003	LECT-DISC	E10	1	M	W	F	193	E C		SHIELDS
06004	LECT-DISC	E11	1	M	W	F	9	C A		
06005	LECT-DISC	E12	1	M	W	F	110	E B		CONRON
06006	LECT-DISC	E13	1	M	W	F	210	C A		VEACH
06007	LECT-DISC	E14	1	M	W	F	8	C A		VIA
06008	LECT-DISC	E15	1	M	W	F	300	N L		LINDSTRAND
06009	LECT-DISC	E16	1	M	W	F		P A R		
06010	LECT-DISC	E17	1	M	W	F		P A R		
06011	LECT-DISC	F1	2	M	W	F	242	ARMORY		LEWIS
06012	LECT-DISC	F2	2	M	W	F	110	E B		BROOKENS
06013	LECT-DISC	F3	2	M	W	F	64	M E B		DUBOIS
06014	LECT-DISC	F4	2	M	W	F	435	N H B		DUFF
06015	LECT-DISC	F5	2	M	W	F	156	M E B		FELTSKOG
06016	LECT-DISC	F6	2	M	W	F	144	BEV HALL		HART
06017	LECT-DISC	F7	2	M	W	F	147	ARMORY		HOLLINGTON
06018	LECT-DISC	F8	2	M	W	F	9	C A		HENNEDY
06019	LECT-DISC	F9	2	M	W	F	8	C A		EWBANK
06020	LECT-DISC	F10	2	M	W	F	128	W GYM		STALKER
06021	LECT-DISC	F11	2	M	W	F	337	ARMORY		ONTMAN
06022	LECT-DISC	F12	2	M	W	F	300	N L		SCHNEIDER
06023	LECT-DISC	F13	2	M	W	F	244	M E B		SPURGEON
06024	LECT-DISC	F14	2	M	W	F	101	E C		VIA
06025	LECT-DISC	F15	2	M	W	F	193	E C		WARNER
06026	LECT-DISC	G1	3	M	W	F	64	M E B		DUBOIS
06027	LECT-DISC	G2	3	M	W	F	9	C A		MOULTON
06028	LECT-DISC	G3	3	M	W	F	144	BEV HALL		MARKOS
06029	LECT-DISC	G4	3	M	W	F	140	ADMIN		NEUMANN
06030	LECT-DISC	G5	3	M	W	F	110	E B		NEWTON
06031	LECT-DISC	G6	3	M	W	F	156	M E B		NICHOLS
06032	LECT-DISC	G7	3	M	W	F	128	W GYM		POTTER
06033	LECT-DISC	G8	3	M	W	F	108	SURV BLDG		RUCKER
06034	LECT-DISC	G9	3	M	W	F	138	M E B		SHIELDS
06035	LECT-DISC	G10	3	M	W	F	238	M E B		SILVERMAN
06036	LECT-DISC	G11	3	M	W	F	244	M E B		SPURGEON
06037	LECT-DISC	G12	3	M	W	F	210	C A		
06038	LECT-DISC	G13	3	M	W	F	300	N L		LISTON
06039	LECT-DISC	G14	3	M	W	F	301	N L		TRIPPET
06040	LECT-DISC	G15	3	M	W	F	204N	H H		VEACH
06041	LECT-DISC	G16	3	M	W	F	101	E C		VIA
06042	LECT-DISC	G17	3	M	W	F	199	E C		WARNER
06043	LECT-DISC	G18	3	M	W	F	8	C A		WEBB
06044	LECT-DISC	G19	3	M	W	F	243	ARMORY		KORN
06045	LECT-DISC	H1	4	M	W	F	140	ADMIN		LEWIS
06046	LECT-DISC	H2	4	M	W	F	147	ARMORY		DUFF
06047	LECT-DISC	H3	4	M	W	F	209	E B		STALKER
06048	LECT-DISC	H4	4	M	W	F	110	E B		STEPHENS
06049	LECT-DISC	H5	4	M	W	F	112	E B		SCHWARTZ
06050	LECT-DISC	H6	4	M	W	F	210	C A		MOULTON
06051	LECT-DISC	H7	4	M	W	F	242	ARMORY		LAW
06052	LECT-DISC	H8	4	M	W	F	223	E B		SHOWALTER
06053	LECT-DISC	H9	4	M	W	F	144	BEV HALL		MARKOS

RHET 102 CONTINUED

06054	LECT-DISC	H10	4	M W F	156	M E B	NICHOLS
06055	LECT-DISC	H11	4	M W F	128	W GYM	POTTER
06056	LECT-DISC	H12	4	M W F	108	SURV BLDG	RUCKER
06057	LECT-DISC	H13	4	M W F	238	M E B	SILVERMAN
06058	LECT-DISC	H14	4	M W F	303	N L	TRIPPET
06059	LECT-DISC	H15	4	M W F	301	N L	WARNER
06060	LECT-DISC	H16	4	M W F	243	ARMORY	KORN
06061	LECT-DISC	K1	8	TU TH S	204N	H H	F SMITH
06062	LECT-DISC	K2	8	TU TH S	112	E B	MILLER
06063	LECT-DISC	L1	9	TU TH S	112	E B	REEVE
06064	LECT-DISC	L2	9	TU TH S	140	ADMIN	F SMITH
06065	LECT-DISC	L3	9	TU TH S	204N	H H	SHEARS
06066	LECT-DISC	M1	10	TU TH S	327	G H	KENNEDY
06067	LECT-DISC	M2	10	TU TH S	112	E B	REEVE
06068	LECT-DISC	M3	10	TU TH S	140	ADMIN	SHEARS
06069	LECT-DISC	N1	11	TU TH S	327	G H	KENNEDY
06070	LECT-DISC	N2	11	TU TH S	112	E B	REEVE
06071	LECT-DISC	N3	11	TU TH S	117	E B	MILLER
06072	LECT-DISC	P1	1	TU	140	ADMIN	ALEXANDER
		P1	1-3	TH	140	ADMIN	
06073	LECT-DISC	P2	1	TU	110	E B	GEOGHEGAN
		P2	1-3	TH	110	E B	
06074	LECT-DISC	P3	1	TU	216	M E L	MORGAN
		P3	1-3	TH	216	M E L	
06075	LECT-DISC	P4	1	TU	327	G H	KENT
		P4	1-3	TH	327	G H	
06076	LECT-DISC	P5	1	TU	156	M E B	KLUG
		P5	1-3	TH	156	M E B	
06077	LECT-DISC	P6	1	TU	242	ARMORY	LAROSA
		P6	1-3	TH	242	ARMORY	
06078	LECT-DISC	P7	1	TU	108	SURV BLDG	DAVID SMITH
		P7	1-3	TH	108	SURV BLDG	
06079	LECT-DISC	P8	1	TU	301	N L	M HUDNALL
		P8	1-3	TH	301	N L	
06080	LECT-DISC	P9	1	TU	204N	H H	M HENNEDY
		P9	1-3	TH	204N	H H	
06081	LECT-DISC	P10	1	TU	300	N L	ZELNICK
		P10	1-3	TH	300	N L	
06082	LECT-DISC	P11	1	TU	243	ARMORY	CALLAHAN
		P11	1-3	TH	243	ARMORY	
06083	LECT-DISC	P12	1	TU	337	ARMORY	BARRY
		P12	1-3	TH	337	ARMORY	
06084	LECT-DISC	P13	1	TU	248	M E B	GASTON
		P13	1-3	TH	248	M E B	
06085	LECT-DISC	P14	1	TU	214	T B	SULLIVAN
		P14	1-3	TH	214	T B	
06086	LECT-DISC	R1	3-5	TU	140	ADMIN	ALEXANDER
		R1	3	TH	140	ADMIN	
06087	LECT-DISC	R2	3-5	TU	435	N H B	GEOGHEGAN
		R2	3	TH	435	N H B	
06088	LECT-DISC	R3	3-5	TU	327	G H	KENT
		R3	3	TH	327	G H	
06089	LECT-DISC	R4	3-5	TU	156	M E B	KLUG
		R4	3	TH	156	M E B	
06090	LECT-DISC	R5	3-5	TU	242	ARMORY	LAROSA
		R5	3	TH	242	ARMORY	
06091	LECT-DISC	R6	3-5	TU	303	N L	M HUDNALL
		R6	3	TH	303	N L	
06092	LECT-DISC	R7	3-5	TU	214	T B	SULLIVAN
		R7	3	TH	214	T B	
06093	LECT-DISC	R8	3-5	TU	128	W GYM	TAWAKULI
		R8	3	TH	128	W GYM	
06094	LECT-DISC	R9	3-5	TU	204N	H H	MCGUGAN
		R9	3	TH	204N	H H	
06095	LECT-DISC	R10	3-5	TU	300	N L	ZELNICK
		R10	3	TH	300	N L	
06096	LECT-DISC	R11	3-5	TU	110	E B	BARRY
		R11	3	TH	110	E B	
06097	LECT-DISC	S1	2	TU	140	ADMIN	ALEXANDER
		S1	4-6	TH	140	ADMIN	
06098	LECT-DISC	S2	2	TU	435	N H B	GEOGHEGAN
		S2	4-6	TH	435	N H B	
06099	LECT-DISC	S3	2	TU	204N	H H	MCGUGAN
		S3	4-6	TH	204N	H H	
06100	LECT-DISC	S4	2	TU	214	T B	SULLIVAN
		S4	4-6	TH	214	T B	
06101	LECT-DISC	S5	2	TU	128	W GYM	TAWAKULI
		S5	4-6	TH	128	W GYM	
06102	LECT-DISC	S6	2	TU	337	ARMORY	HOAR
		S6	4-6	TH	337	ARMORY	
06103	LECT-DISC	S7	2	TU	248	M E B	GASTON
		S7	4-6	TH	248	M E B	

RHET 102 CONTINUED

06104	LECT-DISC	T1	1-3	TU	142	ADMIN		HOWARD
		T1	1	TH	142	ADMIN		
06105	LECT-DISC	T2	1-3	TU	194	L H		TROWER
		T2	1	TH	194	L H		
06106	LECT-DISC	U1	3-5	TU	142	ADMIN		HOWARD
		U1	2	TH	142	ADMIN		
06107	LECT-DISC	U2	3-5	TU	64	M E B		COSMOS
		U2	2	TH	64	M E B		
06108	LECT-DISC	U3	3-5	TU	138	M E B		G RUBIO
		U3	2	TH	138	M E B		
06109	LECT-DISC	U4	3-5	TU	147	ARMORY		M RUBIO
		U4	2	TH	147	ARMORY		
06110	LECT-DISC	V1	7-830PM	TU TH	110	E B		M RUBIO
06111	LECT-DISC	V2	7-830PM	TU TH	117	E B		TAYLOR

RHET 108 FRESHMAN RHETORIC FOR SUPERIOR STUDENTS.
PREREQUISITE--RHET. 101 OR EXEMPTION FROM RHET. 101, OR RHET. 107.
*CREDIT IS NOT GIVEN FOR RHET. 108 IN ADDITION TO RHET. 102, ENGL. 101, 102, OR 103.
*4 HOURS

06112	LECT-DISC	&A1	8	M W F	115	E C		P ROGERS
06113	LECT-DISC	&B1	9	M W F	144	REV HALL		MACCUBBIN
06114	LECT-DISC	&B2	9	M W F	199	E C		P ROGERS
06115	LECT-DISC	&C1	10	M W F	144	REV HALL		MACCUBBIN
06116	LECT-DISC	&D1	11	M W F	199	E C		FUYS
06117	LECT-DISC	&X1	12	M W F	199	E C		FUYS
06118	LECT-DISC	&E1	1	M W F	214	T B		HUDNALL
06119	LECT-DISC	&E2	1	M W F	337	ARMORY		
06120	LECT-DISC	&E3	1	M W F	196	L H		DRAKE
06121	LECT-DISC	&F1	2	M W F	214	T B		HUDNALL
06122	LECT-DISC	&F2	2	M W F	303	E B		DRAKE
06123	LECT-DISC	&G1	3	M W F	311	D H		
06124	LECT-DISC	&R1	3-5	TU	313	D H		
		&R1	3	TH	313	D H		
06125	LECT-DISC	&S1	2	TU	313	D H		
		&S1	4-6	TH	313	D H		

RHET 133 PRINCIPLES OF COMPOSITION.
PREREQUISITE--RHET. 102 OR EQUIVALENT.
*CREDIT IS NOT GIVEN FOR RHET. 133 IN ADDITION TO RHET. 143.
*3 HOURS

06126	LECT-DISC	A	8	M W F	210A	E B		TIBBETTS
06127	LECT-DISC	B	9	M W F	194	L H		DAVIS
06128	LECT-DISC	C	10	M W F	194	L H		TILLMAN
06129	DISC	C2	10	M W F	9	C A		
06130	LECT-DISC	D1	11	M W F	134	ARMORY		
06131	LECT-DISC	D2	11	M W F	311	D H		SLIGHTS
06132	LECT-DISC	X	12	M W F	9	C A		
06133	LECT-DISC	E	1	M W F	240	L H		
06134	LECT-DISC	F	2	M W F	210	C A		ALLEN
06135	LECT-DISC	G	3	M W F	327	G H		

RHET 143 INTERMEDIATE EXPOSITORY WRITING.
PREREQUISITE--A GRADE OF A OR B IN RHET. 102 OR EQUIVALENT OR CONSENT OF INSTRUCTOR.
*CREDIT IS NOT GIVEN FOR RHET. 143 IN ADDITION TO RHET. 133.
*3 HOURS

06136	LECT-DISC	A	8	M W F	194	L H		
06137	LECT-DISC	C	10	M W F	210A	E B		
06138	LECT-DISC	D	11	M W F	327	G H		
06139	LECT-DISC	X	12	M W F	194	L H		
06140	LECT-DISC	E	1	M W F	194	L H		STEWART

RHET 144 NARRATIVE WRITING.
PREREQUISITE--RHET. 102 OR EQUIVALENT, SOPHOMORE STANDING.
3 HOURS

06141	LECT-DISC	B	9	M W F	210A	E B		FUMENTO
06142	LECT-DISC	D	11	M W F	210A	E B		FUMENTO
06143	LECT-DISC	X	12	M W F	210A	E B		
06144	LECT-DISC	E	1	M W F	327	G H		KAUFMANN

RHET 200 REMEDIAL WRITING.
PREREQUISITE--RHET. 102 OR EQUIVALENT AND FAILURE ON THE QUALIFYING EXAMINATION IN ENGLISH.
NO CREDIT

06145	LECT-DISC	A1	8	M	W	F	193	E C		MCBRIDE
06146	LECT-DISC	A2	8	M	W	F	244	M E B		TUFTS
06147	LECT-DISC	A3	8	M	W	F	201	N L		BLANKENSTEIN
06148	LECT-DISC	B1	9	M	W	F	349	ARMORY		DONOVAN
06149	LECT-DISC	B2	9	M	W	F	138	M E B		EHRET
06150	LECT-DISC	B3	9	M	W	F	244	M E B		TUFTS
06151	LECT-DISC	C1	10	M	W	F	242	ARMORY		
06152	LECT-DISC	C2	10	M	W	F	349	ARMORY		
06153	LECT-DISC	C3	10	M	W	F	210	C A		REGAN
06154	LECT-DISC	C4	10	M	W	F	138	M E B		EHRET
06155	LECT-DISC	D1	11	M	W	F	337	ARMORY		GARVIN
06156	LECT-DISC	D2	11	M	W	F	9	C A		REGAN
06157	LECT-DISC	D3	11	M	W	F	138	M E B		
06158	LECT-DISC	D4	11	M	W	F	161	N L		
06159	LECT-DISC	X1	12	M	W	F	147	ARMORY		HAGGERTY
06160	LECT-DISC	X2	12	M	W	F	210	C A		BLANKENSTEIN
06161	LECT-DISC	X3	12	M	W	F	161	N L		GROUTT
06162	LECT-DISC	X4	12	M	W	F	162	N L		
06163	LECT-DISC	X5	12	M	W	F	101	E C		
06164	LECT-DISC	E1	1	M	W	F	162	N L		SVOB
06165	LECT-DISC	E2	1	M	W	F	217	N L		
06166	LECT-DISC	E3	1	M	W	F	301	N L		
06167	LECT-DISC	E4	1	M	W	F	303	N L		
06168	LECT-DISC	E5	1	M	W	F	64	M E B		
06169	LECT-DISC	E6	1	M	W	F	138	M E B		
06170	LECT-DISC	F1	2	M	W	F	204N	H H		
06171	LECT-DISC	F2	2	M	W	F	311	D H		
06172	LECT-DISC	F3	2	M	W	F	217	N L		CONRON
06173	LECT-DISC	F4	2	M	W	F	303	N L		SVOB
06174	LECT-DISC	F5	2	M	W	F	138	M E B		
06175	LECT-DISC	G1	3	M	W	F	147	ARMORY		
06176	LECT-DISC	G2	3	M	W	F	201	N L		CONRON
06177	LECT-DISC	G3	3	M	W	F	303	N L		
06178	LECT-DISC	G4	3	M	W	F	242	ARMORY		
06179	LECT-DISC	H1	4	M	W	F	8	C A		FELTSKOG
06180	LECT-DISC	H2	4	M	W	F	164	N L		LISTON
06181	LECT-DISC	H3	4	M	W	F	201	N L		

RHET 205 ADVANCED NARRATIVE WRITING, I.
PREREQUISITE--RHET. 144 OR EQUIVALENT.
3 HOURS

06182	LECT-DISC	E	1	M	W	F	210A	E B		CURLEY
06183	LECT-DISC	F	2	M	W	F	210A	E B		QUINN

RHET 206 ADVANCED NARRATIVE WRITING, II.
PREREQUISITE--RHET. 205.
3 HOURS

06184	LECT-DISC	D	11	M	W	F	194	L H		SCOUFFAS

RHET 227 ADVANCED EXPOSITORY WRITING.
PREREQUISITE--RHET. 133 OR 143, OR CONSENT OF INSTRUCTOR.
3 HOURS

06185	LECT-DISC	F	2	M	W	F	194	L H		STONE

RHET 246 MODERN ENGLISH GRAMMAR.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

06186	LECT-DISC	B	9	M	W	F	112	F B		
06187	LECT-DISC	D	11	M	W	F	112	E B		STONE
06188	LECT-DISC	E	1	M	W	F	112	F B		ASTON

RHET 255 CREATIVE WRITING.
STUDENTS MUST SEE THE INSTRUCTOR DURING THE FIRST WEEK OF CLASSES TO ARRANGE A CONFERENCE SCHEDULE.
PREREQUISITE--A PREPARATORY COURSE IN ADVANCED WRITING--RHET. 205, 206, 227, 330, SPCH. 263, 363, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE FOUR HOURS.
*2 HOURS
INSTRUCTORS--CURLEY, FUMENTO, NIMS, QUINN, SCOUFFAS, STONE.
STONE.

06189	CONF	ARR	

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RHET 330 THE WRITING OF POETRY.
PREREQUISITE--JUNIOR STANDING AND SIX HOURS OF ENGLISH LITERATURE OR CONSENT OF INSTRUCTOR.
•STUDENTS MAY ACCUMULATE SIX HOURS.
•3 HOURS, OR 3/4 UNIT

06190	LECT-DISC	N	1	TU	119	F B			NIMS
		N	1-3	TH	119	E B			

RHET 388 LINGUISTICS IN LANGUAGE LEARNING.
SAME AS LING. 388.
PREREQUISITE--TWO YEARS OF FOREIGN LANGUAGE AND CONSENT OF INSTRUCTOR.
4 HOURS, OR 3/4 UNIT

06191	LECT-DISC	F	2	M W F	164	N L			ASTON

ENGLISH FOR FOREIGN STUDENTS

DEPARTMENT OFFICE 317 E B

NOTE--NO STUDENT IS PERMITTED TO REGISTER FOR ANY COURSE IN ENGLISH AS A FOREIGN LANGUAGE UNTIL HE HAS TAKEN THE EXAMINATION IN ENGLISH FOR FOREIGN STUDENTS. AUDITORS ARE NOT PERMITTED. RHETORIC 114 AND 111 FULFILL GRADUATION REQUIREMENTS IN RHETORIC. STUDENTS MAY BE REQUIRED TO TAKE MORE ELEMENTARY COURSES BEFORE THEY ARE PERMITTED TO TAKE RHET. 114. ADVISERS SHOULD CONSULT THE UNDERGRADUATE STUDY BULLETIN UNDER THE SECTION ENTITLED--GENERAL REQUIREMENTS FOR GRADUATION-ENGLISH--FOR THE DEFINITION OF A FOREIGN STUDENT.

COURSES FOR UNDERGRADUATES

RHET 109 ENGLISH AS A FOREIGN LANGUAGE.
PREREQUISITE--READING KNOWLEDGE OF ENGLISH AND ABILITY TO UNDERSTAND SIMPLE INSTRUCTIONS. RECOMMENDATION FROM ILLINOIS PLACEMENT TEST.
NO CREDIT

06192	LECT-DISC	A	8-10	M W F	307	E B			TAYLOR

RHET 110 ENGLISH AS A FOREIGN LANGUAGE.
PREREQUISITE--READING KNOWLEDGE OF ENGLISH AND ABILITY TO UNDERSTAND SIMPLE INSTRUCTIONS, RECOMMENDATION FROM ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
•MAY ALSO BE TAKEN WITH RHET. 111 AND 114.
•NO CREDIT

06193	LECT-DISC	D	11	M W F	119	E B			ASTON
06194	LECT-DISC	F	2	M W F	309	E B			FOX

RHET 111 ENGLISH AS A FOREIGN LANGUAGE.
PREREQUISITE--RHET. 109, RECOMMENDATION FROM ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
NO CREDIT

06195	LECT-DISC	A1	8-10	M W F	303	F B			
06196	LECT-DISC	A2	8-10	M W F	309	E B			
06197	LECT-DISC	C	10-12	M W F	309	E B			ENATA
06198	LECT-DISC	E	1-3	M W F	307	F B			ENATA
06199	LECT-DISC	G	3-5	M W F	119	E B			FOX

RHET 114 ENGLISH AS A FOREIGN LANGUAGE, I.
NOT OPEN TO GRADUATE STUDENTS.
PREREQUISITE--RHET. 111, RECOMMENDATION FROM OVERSEAS TEST OR ILLINOIS PLACEMENT TEST, OR CONSENT OF INSTRUCTOR.
•FOREIGN STUDENTS RECEIVE 3 HOURS CREDIT,
•AMERICAN STUDENTS WITH FOREIGN LANGUAGE BACKGROUND RECEIVE NO CREDIT.
•0 OR 3 HOURS

06200	LECT-DISC	C	10	M W F	119	E B			HUSSEY
06201	LECT-DISC	E	1	M W F	303	F B			TAYLOR
06202	LECT-DISC	H	4	M W F	210B	E B			

RHET 115 ENGLISH AS A FOREIGN LANGUAGE, II.
NOT OPEN TO GRADUATE STUDENTS.
PREREQUISITE--RHET. 114 AND/OR RECOMMENDATION FROM OVERSEAS TEST OR ILLINOIS PLACEMENT TEST OR CONSENT OF INSTRUCTOR.
*FOREIGN STUDENTS RECEIVE 3 HOURS CREDIT.
*AMERICAN STUDENTS WITH FOREIGN LANGUAGE BACKGROUND RECEIVE NO CREDIT.
*0 OR 3 HOURS

06203	LECT-DISC	H	9	M	W	F	119	E B		HUSSEY
06204	LECT-DISC	E	1	M	W	F	309	E B		MERRILL
06205	LECT-DISC	H	4	M	W	F	309	E B		MERRILL

COURSES FOR ADVANCED UNDERGRADUATES

RHET 211 REMEDIAL WRITING FOR FOREIGN STUDENTS.
PREREQUISITE--RHET. 114 AND 115 AND FAILURE ON THE QUALIFYING EXAMINATION IN ENGLISH FOR FOREIGN STUDENTS.
NO CREDIT

06206	LECT-DISC	J	5	M	W	F	119	E B		KEEN

COURSES FOR GRADUATES

RHET 400 ENGLISH AS A FOREIGN LANGUAGE FOR GRADUATE FOREIGN STUDENTS.
PREREQUISITE--GRADUATE STANDING AND RHET. 111, OR CONSENT OF INSTRUCTOR.
3 HOURS, NO GRADUATE CREDIT.

06207	LECT-DISC	K	8-10		TU		303	E B		KEEN
		K	9-10			TH	303	E B		

RHET 401 ENGLISH AS A FOREIGN LANGUAGE FOR GRADUATE FOREIGN STUDENTS.
PREREQUISITE--GRADUATE STANDING AND RHET. 400, OR CONSENT OF INSTRUCTOR.
3 HOURS, NO GRADUATE CREDIT

06208	LECT-DISC		ARR							KEEN

BUSINESS ENGLISH

DEPARTMENT OFFICE 101 D K H

COURSES FOR UNDERGRADUATES

RHET 151 BUSINESS LETTER WRITING.
PREREQUISITE--RHET. 101 AND 102.
3 HOURS
*SECTION &L1 IS RESERVED FOR EDMUND J. JAMES SCHOLARS AND OTHER HONOR STUDENTS.

06209	LECT-DISC	A	1	M	W	F	106	D K H		FELTON
06210	LECT-DISC	B1	9	M	W	F	306	D K H		ERICKSON
06211	LECT-DISC	B2	9	M	W	F	106	D K H		IMHULSE
06212	LECT-DISC	C1	10	M	W	F	106	D K H		MAGUIRE
06213	LECT-DISC	C2	10	M	W	F	326	D K H		HARRIS
06214	LECT-DISC	D1	11	M	W	F	306	D K H		ERICKSON
06215	LECT-DISC	D2	11	M	W	F	106	D K H		BAKER
06216	LECT-DISC	E1	1	M	W	F	106	D K H		ERICKSON
06217	LECT-DISC	E2	1	M	W	F	306	D K H		HARRIS
06218	LECT-DISC	F	2	M	W	F	306	D K H		BAKER
06219	LECT-DISC	G	3	M	W	F	106	D K H		ZEWADSKI
06220	LECT-DISC	H	1		TU		106	D K H		HARRIS
		H	1-3			TH	106	D K H		HARRIS
06221	LECT-DISC	I	2		TU		306	D K H		CHAPDU
		I	2-4			TH	306	D K H		CHAPDU
06222	LECT-DISC	L	10		TU		106	D K H		WEEKS
		L	10-12			TH	106	D K H		WEEKS
06223	LECT-DISC	*&L1	10		TU		326	D K H		GIESELMAN
		*&L1	10-12			TH	326	D K H		GIESELMAN

COURSES FOR ADVANCED UNDERGRADUATES

RHET 271 SALES WRITING.
SAME AS ADV. AND MKTG. 288.
PREREQUISITE--RHET. 101, 102, AND 151, OR CONSENT OF INSTRUCTOR.
2 HOURS

06226	LECT-DISC	K	9	TU TH	106	D K H	MAGUIRE
06227	LECT-DISC	M	11	TU TH	306	D K H	MAGUIRE
06228	LECT-DISC	F	2	M W	106	D K H	GIESELMAN

RHET 272 REPORT WRITING.
PREREQUISITE--RHET. 101, 102, AND 151, OR CONSENT OF CHAIRMAN OF DIVISION.
2 HOURS

06229	LECT-DISC	J1	8	TU TH	306	D K H	CHAPDU
06230	LECT-DISC	J2	8	TU TH	106	D K H	IMHULSE
06231	LECT-DISC	K1	9	TU TH	326	D K H	FELTON
06232	LECT-DISC	K2	9	TU TH	306	D K H	ZEWADSKI
06233	LECT-DISC	L	10	TU TH	1007 W NEVADA		CHAPDU
06234	LECT-DISC	M	11	TU TH	1007 W NEVADA		FELTON
06235	LECT-DISC	N1	1	TU TH	306	D K H	BAKER
06236	LECT-DISC	N2	1	TU TH	326	D K H	IMHULSE
06237	LECT-DISC	E	1	M W	326	D K H	ZEWADSKI

RUSSIAN

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

MAJOR--TWENTY HOURS OF RUSSIAN EXCLUDING RUSSIAN 101, 102, 103, AND 104, AND INCLUDING RUSSIAN 201, 202, 211, 212, 213, AND AT LEAST EIGHT HOURS FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES, A MINIMUM OF SIX HOURS IN RUSSIAN 321, 322, 323, 324, 325, AND 332, AND A MINIMUM OF TWO AND A MAXIMUM OF SIX HOURS IN RUSSIAN 309, 310, 312, 331.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ENGLISH--EXCLUDING RHET. 101 AND 102--, FRENCH, GERMAN, GREEK, HISTORY, ITALIAN, LATIN, LIBRARY SCIENCE, PHILOSOPHY, POLITICAL SCIENCE, PORTUGUESE, SPANISH. THE FIRST SEMESTER OF ANY FOREIGN LANGUAGE--FR. 101, GER. 101, GRK. 101, ITAL. 101, LAT. 101, PORT. 101, SPAN. 101--MAY NOT BE COUNTED TOWARD A MINOR IN THAT SUBJECT. THE CURRICULUM IN RUSSIAN LANGUAGE AND AREA STUDIES--WITH THE EXCEPTION OF COURSES IN RUSSIAN--IS ALSO ACCEPTED AS A SOLE MINOR.

COURSES FOR UNDERGRADUATES

RUSS 101 FIRST-YEAR RUSSIAN, I.
FOR STUDENTS WHO HAVE NO CREDIT IN RUSSIAN.
*NO CREDIT TOWARD GRADUATION IS GIVEN FOR RUSS. 101 WITHOUT RUSS. 102.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HALF-HOUR PERIODS OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL. ONE FROM EACH OF THE FOLLOWING SESSIONS--FIRST SESSION--8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, T. SECOND SESSION--8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, TH.

06238	LECT-DISC	A	9	MTUWTH	9	G H	
06239	LECT-DISC	B	9	MTUWTH	429	ARMORY	
06240	LECT-DISC	C	10	MTUWTH	429	ARMORY	
06241	LECT-DISC	E	1	MTUWTH	9	G H	

RUSS 102 FIRST-YEAR RUSSIAN, II.
PREREQUISITE--RUSS. 101.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
*4 HOURS
*SECTION AS IS PARTICULARLY FOR JAMES SCHOLARS AND OTHER SPECIAL STUDENTS.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HALF-HOUR PERIODS OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL. ONE FROM EACH OF THE FOLLOWING SESSIONS--FIRST SESSION--8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, 1, 1.30, 2, 2.30, 3, 3.30, 4, 4.30, 5, 5.30, AND 7 P.M., T. SECOND SESSION--8, 8.30, 9, 9.30, 10, 10.30, 11, 11.30, 12, 12.30, 1, 1.30, 2, 2.30, 3, 3.30, 4, 4.30, 5, 5.30, AND 7 P.M., TH.

06242	LECT-DISC	A1	3	MTUWTH	270	L H	
06243	LECT-DISC	A2	8	MTUWTH	305	G H	
06244	LECT-DISC	C1	10	MTUWTH	120	COM W	
06249	LECT-DISC	*6S	10	MTUWTH	216	L H	
06245	LECT-DISC	C	11	MTUWTH	9	G H	
06246	LECT-DISC	E	1	MTUWTH	429	ARMORY	
06247	LECT-DISC	F	2	MTUWTH	9	G H	
06248	LECT-DISC	G	3	MTUWTH	270	L H	

RUSS 103 SECOND-YEAR RUSSIAN, I.
PREREQUISITE--RUSS. 102 OR EQUIVALENT.
4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TH. 1, 2, 3, 4, 5.

06250	LECT-DISC	D	11	MTUWTH	305	G H	
06251	LECT-DISC	E	1	MTUWTH	305	G H	GOETZ

RUSS 104 SECOND-YEAR RUSSIAN, II.
PREREQUISITE--RUSS. 103.
4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TH. 12, 1, 2, 3, 4, 5, 7 PM, 8 PM.

06252	LECT-DISC	C	10	MTUWTH	270	L H	
06253	LECT-DISC	X	12	MTUWTH	270	L H	
06254	LECT-DISC	F	2	MTUWTH	270	L H	
06255	LECT-DISC	H	4	MTUWTH	9	G H	

RUSS 112 INTENSIVE SECOND-YEAR RUSSIAN.
PREREQUISITE--RUSS. 111 OR 102. ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR TWO HOURS OF WORK WEEKLY IN THE LANGUAGE LABORATORY.
8 HOURS
REGISTRATION WILL BE ARRANGED BY THE INSTRUCTOR.

06256	LECT-DISC	F	2	MTUWTHF	305	G H	
		F	3	M W F	305	G H	

COURSES FOR ADVANCED UNDERGRADUATES

RUSS 202 INTRODUCTION TO RUSSIAN LITERATURE, II.
PREREQUISITE--RUSS. 201 OR CONSENT OF INSTRUCTOR.
3 HOURS

06257	LECT-DISC	B	9	M W F	305	G H	
06258	LECT-DISC	F	2	M W F	429	ARMORY	

RUSS 211 ORAL RUSSIAN, I.
PREREQUISITE--RUSS. 103 AND 104 OR CONSENT OF INSTRUCTOR.
2 HOURS

06259	LECT-DISC	G	3	TU TH	9	G H	

RUSS 212 ORAL RUSSIAN, II.
PREREQUISITE--RUSS. 211 OR CONSENT OF INSTRUCTOR.
2 HOURS

06260	LECT-DISC	B	9	TU TH	270	L H	
06261	LECT-DISC	G	3	M W	9	G H	

RUSS 214 RUSSIAN COMPOSITION, II.
PREREQUISITE--RUSS. 213 OR CONSENT OF INSTRUCTOR.
2 HOURS

06262	LECT-DISC	D	11	TU TH	270	L H	
06263	LECT-DISC	X	12	M W	120	COM W	

RUSS 292 SENIOR THESIS AND HONORS.
2 HOURS

06264	CONF	E	ARR				STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

RUSS 308 RUSSIAN PHONETICS AND DICTION.
PREREQUISITE--RUSS. 212, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06265	LECT-DISC	D	11	M W F	270	L H	KLEIN

RUSS 310 RUSSIAN LITERATURE IN TRANSLATION, II.
NO KNOWLEDGE OF RUSSIAN LANGUAGE IS REQUIRED.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

06266	LECT-DISC	E	1	M W F	120	COM W	KASPIN

RUSS 313 ADVANCED RUSSIAN COMPOSITION.
PREREQUISITE--THREE YEARS OF COLLEGE RUSSIAN, INCLUDING RUSS. 213 AND 214, OR CONSENT OF INSTRUCTOR.
2 HOURS, OR 1/4 UNIT

06267	LECT-DISC	C	10	TU TH	305	G H	

RUSS 323 READINGS IN RUSSIAN LITERATURE--TURGENEV, GONCHAROV, OSTROVSKY.
PREREQUISITE--RUSS. 201 AND 202 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

06268	LECT-DISC	C	10	M W F	305	G H	PACHMUSS

RUSS 325 READINGS IN SOVIET LITERATURE.
PREREQUISITE--RUSS. 202 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

06269	LECT-DISC	G	3	M W F	120	COM W	TERRAS

RUSS 380 INTRODUCTION TO SLAVIC LINGUISTICS.
SAME AS LING. 380.
PREREQUISITE--JUNIOR STANDING OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT

06270	LECT-DISC	E	1	M W F	270	L H	MICKLESEN

RUSS 382 LANGUAGE LABORATORY TECHNIQUES.
SAME AS FR., GER., AND SPAN. 382.
PREREQUISITE--THREE YEARS OF MODERN FOREIGN LANGUAGE AT THE COLLEGE LEVEL, OR THE EQUIVALENT.
2 HOURS, OR 1/2 UNIT

06271	LECT-DISC		9	TU TH	232	L H	NACHTMANN

COURSES FOR GRADUATES

RUSS 400 BEGINNING RUSSIAN FOR GRADUATE STUDENTS.
4 HOURS--NO GRADUATE CREDIT.

06272	LECT-DISC	X	12	MTUWTH	9	G H	LENCEK
06273	LECT-DISC	J	5	MTUWTH	270	L H	

RUSS 401 READINGS IN RUSSIAN FOR GRADUATE STUDENTS.
PREREQUISITE--RUSS. 400 OR EQUIVALENT.
4 HOURS--NO GRADUATE CREDIT.
*SECTION X IS RECOMMENDED FOR HUMANITIES MAJORS.

06274	LECT-DISC	A	8	MTUWTH	429	ARMORY	
06275	LECT-DISC	X	12	MTUWTH	429	ARMORY	GOETZ
06276	LECT-DISC	J	5	MTUWTH	9	G H	

RUSS 410 RUSSIAN LITERATURE OF THE 11TH TO THE 16TH CENTURY.
1 UNIT
06277 LECT-DISC B 9 M W F 270 L H CIZEVSKA

RUSS 412 RUSSIAN LITERATURE OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES.
1 UNIT
06278 LECT-DISC G 3 TU TH 120 COM W TERRAS
G 3 F 270 L H

RUSS 415 DOSTOEVSKY.
PREREQUISITE--RUSS. 323.
3/4 UNIT
06279 LECT-DISC X 12 M W F 305 G H PACHMUSS

RUSS 491 INDIVIDUAL TOPICS.
PREREQUISITE--GRADUATE STANDING WITH A MAJOR OR MINOR IN RUSSIAN.
1/4 TO 2 UNITS
06280 CONF ARR STAFF

RUSS 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
06281 CONF ARR STAFF

CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES

DEPARTMENT OFFICE 110 DAVENPORT HOUSE

STUDENTS IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES

MAJOR--STUDENTS WHO ELECT RUSSIAN LANGUAGE AND AREA STUDIES AS A MAJOR MUST,
1-COMPLETE THE PRESCRIBED AND GENERAL EDUCATION SEQUENCES REQUIRED IN THE GENERAL CURRICULUM.
2-COMPLETE AT LEAST TWENTY SEMESTER HOURS OF RUSSIAN LANGUAGE COURSES, IN ADDITION TO RUSS. 101-102, OR DEMONSTRATE EQUIVALENT PROFICIENCY.
3-COMPLETE A MAJOR CONSISTING OF AT LEAST TWENTY SEMESTER HOURS DISTRIBUTED AMONG AT LEAST FOUR DEPARTMENTS AND CHOSEN FROM THE COURSES LISTED BELOW. COURSES USED FOR MAJOR OR MINOR CREDIT OUTSIDE THE PROGRAM OF RUSSIAN LANGUAGE AND AREA STUDIES MAY NOT COUNT AS PART OF THIS TWENTY HOURS.

ANTH. 381, 382	POL. S. 335, 383
ECON. 312	RUSS. 309, 310, 312, 321, 322,
GEOG. 353	323, 324, 325, 332, 333
HIST. 219, 220, 320, 321	SOC. 350
326, 327, 328	UKR. 396, 398
LAW. 369	

4-COMPLETE A MINOR OF TWENTY HOURS, EXCLUDING COURSES OPEN TO FRESHMEN, IN ONE OR TWO DEPARTMENTS. IF TWO ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE TAKEN IN EACH. COURSES IN THE RUSSIAN LANGUAGE MAY, WITH THE APPROVAL OF THE CENTER DIRECTOR, CONSTITUTE ALL OR PART OF THIS MINOR.

RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR--A MINOR IN RUSSIAN LANGUAGE AND AREA STUDIES, DESIGNED TO ACCOMPANY A MAJOR IN ANY DEPARTMENT, REQUIRES AT LEAST TWENTY SEMESTER HOURS DISTRIBUTED AMONG AT LEAST THREE DEPARTMENTS AND CHOSEN FROM THE COURSES LISTED BELOW. IT ALSO REQUIRES A KNOWLEDGE OF RUSSIAN EQUIVALENT AT LEAST TO THAT NORMALLY ATTAINED AFTER RUSS. 101-102.

ANTH. 381, 382	POL. S. 335, 383
ECON. 312	RUSS. 309, 310, 312, 321,
GEOG. 353	322, 323, 324, 325, 332, 333
HIST. 219, 220, 320, 321,	SOC. 350
326, 327, 328	UKR. 396, 398

GRADUATE MINORS IN RUSSIAN LANGUAGE AND AREA STUDIES

MINOR FOR THE MASTERS DEGREE--A CANDIDATE FOR THE MASTERS DEGREE WHO ELECTS RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR MUST EARN AT LEAST TWO UNITS OF GRADUATE CREDIT IN COURSES CHOSEN FROM THE LIST GIVEN BELOW. THE COURSES CHOSEN MUST BE IN AT LEAST TWO DEPARTMENTS.

ANTH. 381, 382
ECON. 312
GEOG. 353, 495
HIST. 320, 321, 326, 327
328, 419
LAW. 369
POL. S. 335, 383, 435
RUSS. 309, 310, 312, 321, 322, 323, 324, 325, 332, 333, 405, 410, 412, 413, 416, 417, 421, 423
SOC. 350, 450
UKR. 396, 398

MINOR FOR THE PH.D. DEGREE--A DOCTORAL CANDIDATE WHO ELECTS RUSSIAN LANGUAGE AND AREA STUDIES AS A MINOR MUST DEMONSTRATE A READING COMMAND OF RUSSIAN AS TESTED BY EXAMINATION OR BY COMPLETION OF RUSSIAN 104 OR 401 WITH A GRADE OF A OR B, AND IN ADDITION MUST EARN AT LEAST FOUR UNITS OF GRADUATE CREDIT IN COURSES CHOSEN FROM THE LIST GIVEN JUST ABOVE. THE FOUR UNITS MUST BE DISTRIBUTED AMONG AT LEAST TWO DEPARTMENTS, NOT INCLUDING THE DEPARTMENT OFFERING THE CANDIDATES MAJOR.

CERTIFICATE OF GRADUATE SPECIALIZATION IN RUSSIAN LANGUAGE AND AREA STUDIES

THIS CERTIFICATE IS AWARDED BY THE GRADUATE COLLEGE AND THE CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES. IT IS FOR PERSONS WITH THE BACCALAUREATE WHO ARE ENROLLED IN ADVANCED STUDIES IN ANY DISCIPLINE AND WHO WISH AT THE SAME TIME TO GAIN A KNOWLEDGE OF THE RUSSIAN AREA AND LANGUAGE. THE REQUIREMENTS ARE--1--A GOOD COMMAND OF WRITTEN AND SPOKEN RUSSIAN, AS DETERMINED BY SPECIAL EXAMINATIONS. 2--AT LEAST SIX GRADUATE UNITS RELATING TO RUSSIA, DISTRIBUTED AMONG AT LEAST THREE OF THE DEPARTMENTS REPRESENTED IN THE PROGRAM--ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, LAW, POLITICAL SCIENCE, RUSSIAN AND SOCIOLOGY--IN ADDITION TO THE STUDENTS OWN MAJOR DEPARTMENT. FOR COURSES, SEE ABOVE. 3--A SPECIAL ESSAY BASED LARGELY ON RUSSIAN SOURCES AND TO BE, AT THE MINIMUM, OF THE STANDARD NORMALLY REQUIRED IN A MASTERS THESIS. THE STUDENT MAY SUBMIT, IN FULFILLMENT OF THIS REQUIREMENT, A COPY OF HIS MASTERS THESIS OR DOCTORAL DISSERTATION.

THE ADVISER FOR THE GRADUATE MINORS AND THE CERTIFICATE IS PROFESSOR RALPH T. FISHER, DIRECTOR OF THE CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES, 105 DAVENPORT HOUSE.

STUDENTS IN OTHER COLLEGES

STUDENTS IN OTHER COLLEGES AND SCHOOLS OF THE UNIVERSITY WHO DESIRE A KNOWLEDGE OF THE RUSSIAN AREA ARE INVITED TO CONSULT, EITHER DIRECTLY OR THROUGH THEIR ADVISERS, WITH THE DIRECTOR OF THE CENTER FOR RUSSIAN LANGUAGE AND AREA STUDIES IN ORDER TO DEVELOP PROGRAMS SUITED TO THEIR INDIVIDUAL NEEDS. SUCH PROGRAMS MAY IN SOME CASES BE ADOPTED AS A SPECIAL MINOR.

BELOW ARE LISTED COURSES APPROVED FOR THE RUSSIAN LANGUAGE AND AREA STUDIES PROGRAMS WHICH ARE BEING OFFERED THIS TERM. FOR FULL COURSE DESCRIPTIONS, CONSULT THE ENTRIES OF THE APPROPRIATE DEPARTMENTS.

ECON 312
GEOG 495
HIST 220, 328, 419
POL S 383
RUSS 310
RUSS 323
RUSS 325
RUSS 410
RUSS 412
SOC 350

SAFETY EDUCATION

DEPARTMENT OFFICE 114 HUFF GYM

COURSES FOR ADVANCED UNDERGRADUATES

S ED 290 SAFETY EDUCATION.
3 HOURS

06282	LECT-DISC	H	9	M W F	209	HUFF GYM	HUFFMAN
06283	LECT-DISC	G	2	M W F	209	HUFF GYM	FLORIO

S ED 294 DRIVER EDUCATION.
PREREQUISITE--DRIVERS LICENSE, JUNIOR STANDING.
3 HOURS
*TWO ADDITIONAL HOURS PER WEEK TO BE ARRANGED.

06284	LECT-DISC	L	*8	TU TH	209	HUFF GYM	FLORIO, NIVA

S ED 294 ADVANCED TRAFFIC SAFETY EDUCATION.
PREREQUISITE--S. ED. 284 OR CONSENT OF INSTRUCTOR
FIELD TRIP AND EIGHT HOURS LAB TO BE ARRANGED.
2 HOURS

06285	LECT-DISC	M	9	TU TH	209	HUFF GYM	FLORIO

SCANDINAVIAN

GERMANIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 371 L H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SCAN 362 STRINDBERG AND THE LATER SCANDINAVIAN DRAMATISTS.
3 HOURS, OR 1 UNIT

06286	LECT-DISC	D	11	M W F	261	L H	LINNER

SECONDARY AND CONTINUING EDUCATION

DEPARTMENT OFFICE EDUCATION BUILDING

COURSES FOR UNDERGRADUATES

SE ED 101 INTRODUCTION TO THE TEACHING OF SECONDARY SCHOOL SUBJECTS.
2 HOURS
SECT J1--ART
J2--ENGLISH
K --ENGLISH
L2--SOC STUD
M1--FOR LANG
SECT M2--SOC STUD
N1--MUSIC
P --SCIENCE
X --MATH

06287	LECT-DISC	J1	8	TU TH	133	F A B	LANSING
06288	LECT-DISC	J2	8	TU TH	1	EDUC	STOLTEY
06289	LECT-DISC	K	9	TU TH	176	EDUC	STOLTEY
06290	LECT-DISC	L2	10	TU TH	192	EDUC	METCALF
06291	LECT-DISC	M1	11	TU TH	1	EDUC	KAULFERS
06292	LECT-DISC	M2	11	TU TH	192	EDUC	METCALF
06293	LECT-DISC	X	12	TU TH	192	EDUC	
06294	LECT-DISC	P	3-5	F	46	EDUC	GOULD
06295	LECT-DISC	N1	1	TU TH	166	EDUC	REIMER

SE ED 219 REMEDIAL READING IN THE HIGH SCHOOL.
PREREQUISITE--ED. PSY. 211.
3 HOURS
*CLASS WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

06296	LECT-DISC	*A1	8	MTUWTHF	192	EDUC	CULLITON
06297	LECT-DISC	*A2	8	MTUWTHF	2	EDUC	EVANS

SE ED 240 PRINCIPLES OF SECONDARY EDUCATION.
PREREQUISITE--SE. ED. 101 AND PSYCH. 100.
2 HOURS
*SECTIONS F1 AND E1 ARE PRIMARILY FOR STUDENTS REGISTERED FOR OFF CAMPUS STUDENT TEACHING. THIS SECTION WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
*SECTIONS &F1 AND &E1 ARE RESERVED FOR JAMES SCHOLARS, STUDENTS WHO HAVE RECEIVED UNIVERSITY HONORS, COLLEGE HONORS, OR CLASS HONORS, OR STUDENTS WHO HAVE RECEIVED CONSENT OF INSTRUCTOR.

06298	LECT-DISC	J	8	TU TH	166	EDUC	METCALF
06299	LECT-DISC	K	9	TU TH	166	EDUC	KAULFERS
06300	LECT-DISC	L	10	TU TH	176	EDUC	DEBOER
06301	LECT-DISC	M	11	TU TH	176	EDUC	DEBOER
06304	LECT-DISC	*&F1	2	MTUW	166	EDUC	
06305	LECT-DISC	*&E1	1	MTUW	1	EDUC	GIRAULT
06302	LECT-DISC	E2	1	M W	176	EDUC	
06303	LECT-DISC	F2	2	M W	385	EDUC	

SE ED 241 TECHNIC OF TEACHING IN THE SECONDARY SCHOOL.
PREREQUISITE--HP. ED. 201 AND SE. ED. 240 AND CONCURRENT REGISTRATION IN ED. PR. 242, CONSENT OF INSTRUCTOR.
3 TO 5 HOURS
*REGISTRATION IN BOTH SE. ED. 241 AND ED. PR. 242 MUST BE APPROVED AT THE REGISTRATION PERIOD BY THE PERSON LISTED AS THE INSTRUCTOR FOR SE. ED. 241. SEE EDUCATIONAL PRACTICE.

06307	LECT-DISC	*A1	8	MTUWTHF	10	EDUC	GULIZIA
	FOR LANG- 4 HOURS						
06312	LECT-DISC	*A2	8	MTUWTHF	25	EDUC	MATHER
	HOME ECON- 3 HOURS						
06309	LECT-DISC	*B1	9	MTUWTHF	1	EDUC	KNAPP
	P E MEN- 3 HOURS						
06310	LECT-DISC	*B2	9	MTUWTHF	192	EDUC	C KIRK
	MUSIC- 3-4 HOURS						
06311	LECT-DISC	*B3	9	MTUWTHF	10	EDUC	PINGRY
		*B3	7-9PM	W	10	EDUC	PINGRY
	MATH- 5 HOURS						
06313	LECT-DISC	*B4	9	MTUWTHF	46	EDUC	SHORESMAN
	SCIENCE- 4 HOURS						
06314	LECT-DISC	*C1	10-12	M W F	2	EDUC	W EVANS
		*C1	10	TU TH	28	EDUC	AND HOOK
	ENGLISH- 5 HOURS						
06315	LECT-DISC	*C2	10	MTUWTHF	166	EDUC	
		*C2	11	M W F	166	EDUC	
	ENGLISH- 5 HOURS						
06316	LECT-DISC	*C3	10	MTUWTHF	1	EDUC	WALKER AND
		*C3	11	M W F	1	EDUC	TYLER
	ENGLISH- 5 HOURS						
06317	LECT-DISC	*F1	2	MTUWTHF	176	EDUC	GIRAULT
		*F1	3	M W F	176	EDUC	
	SOC STUD- 4 HOURS						
06318	LECT-DISC	*F2	2-4	MTUWTHF	1	EDUC	TREKELL
	P E WOMEN- 5 HOURS						
06308	LECT-DISC	*H	4	MTUWTHF	10	EDUC	HARRINGTON
	FOR LANG- 4 HOURS						
06306	LECT-DISC	I	ARR		323	LIB	THOMASSEN
	LIB SCI- 3-4 HOURS						

SE ED 247 TEACHING OF SPEECH.
SAME AS SPCH. 247.
PREREQUISITE--SENIOR STANDING, 3.5 GRADE AVERAGE.
5 HOURS
06319 LECT-DISC 2-4 MTUWTHF 116 L H BURNS

SE ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS
06320 CONF &A ARR STAFF

SE ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS
06321 CONF &A ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SE ED 360 EDUCATIONAL USES OF TELEVISION AND RADIO.
SAME AS COMM. AND R.TV. 360.
3 HOURS, OR 1/2 UNIT
*ONE ADDITIONAL HOUR TO BE ARRANGED.
06322 LECT-DISC *7-9PM W 123 G H SKORNIA

COURSES FOR GRADUATES

SE ED 439 FUNDAMENTALS OF CURRICULUM DEVELOPMENT.
1 UNIT
06323 LECT-DISC 430-630PM TU 166 EDUC

SE ED 448 CONTINUING EDUCATION.
1/2 OR 1 UNIT
06324 LECT-DISC 7-9PM W 33 EDUC PHIPPS

SE ED 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL CONSENT OF THE DEAN.
*1/2 OR 1 UNIT
06325 CONF ARR GRADUATE STAFF

SE ED 456 PROBLEMS AND TRENDS IN SPECIALIZED FIELDS OF SECONDARY EDUCATION.
1 UNIT
*SECTION A IS FOR ENGLISH.
06326 LECT-DISC A 10-12 S 10 EDUC DEBOER

SE ED 467 THE AMERICAN COLLEGE.
1 UNIT
06327 LECT-DISC 4-6PM W 33 EDUC CRANE

SE ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS
06328 CONF ARR GRADUATE STAFF

SE ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS
06329 CONF ARR GRADUATE STAFF

SERBO-CROATIAN

SLAVIC LANGUAGES AND LITERATURES
DEPARTMENT OFFICE 260 L H

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

S CR 394 SERBO-CROATIAN LITERATURE.
PREREQUISITE--S CR 392 OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 3/4 UNIT
06330 LECT-DISC F 2 M W F 120 COM W LENCEK

SOCIAL SCIENCES

THE DIVISION OF SOCIAL SCIENCES SPONSORS THE FOLLOWING PROGRAMS--A-AN UNDERGRADUATE MAJOR AND MINOR IN LATIN AMERICAN STUDIES, B-A GRADUATE MINOR IN LATIN-AMERICAN STUDIES, C-AN UNDERGRADUATE MAJOR AND MINOR IN RUSSIAN AREA STUDIES, D-A GRADUATE MINOR IN RUSSIAN AREA STUDIES, E-A GRADUATE PROGRAM LEADING TO THE DEGREE OF MASTER OF ARTS IN THE SOCIAL SCIENCES, F-A GRADUATE PROGRAM LEADING TO THE DEGREE OF MASTER OF ARTS IN THE TEACHING OF SOCIAL STUDIES. G-A GRADUATE MAJOR AND MINOR AND UNDERGRADUATE MINOR IN LINGUISTICS.

THE STUDY OF INTERNATIONAL AFFAIRS.--THE DIVISION OF SOCIAL SCIENCES CALLS TO THE ATTENTION OF STUDENTS THE OFFERINGS IN THE GENERAL FIELD OF INTERNATIONAL AFFAIRS FOUND AT THE UNIVERSITY OF ILLINOIS. THE DIVISION RECOMMENDS THAT THE STUDENT INTERESTED IN INTERNATIONAL AFFAIRS CONSULT WITH THE ADVISER IN HIS MAJOR DEPARTMENT CONCERNING THE POSSIBILITY OF TAKING COURSES IN THIS AREA, EITHER AS PART OF A MINOR OR SPLIT MINOR OR AS ELECTIVES.

ENTRANCE EXAMINATIONS FOR THE FOREIGN SERVICE OF THE UNITED STATES.-STUDENTS INTERESTED IN PREPARING FOR THESE EXAMINATIONS ARE URGED TO CONSULT WITH THE GOVERNMENT PLACEMENT CONSULTANT OF THE UNIVERSITY PLACEMENT SYSTEM, WHO MAY BE SEEN AT THE INSTITUTE OF GOVERNMENT AND PUBLIC AFFAIRS, 1201 WEST NEVADA STREET.

COURSES FOR UNDERGRADUATES

SOC S 102 LATIN-AMERICAN CIVILIZATION--SOUTH AMERICA.
3 HOURS
06331 LECT-DISC A 3 M W F 229 N H B

COURSES FOR ADVANCED UNDERGRADUATES

SOC S 202 MODERN ASIA--CONTEMPORARY AND FUTURE PROBLEMS.
PREREQUISITE--JUNIOR STANDING OR DESIGNATION AS JAMES SCHOLAR.
4 HOURS
06332 LECT A 1 M W F 229 N H B
06332 LECT-DISC A 10 TH 110 L H

DEPARTMENT OFFICE 1207 W OREGON

MINORS--COURSES IN SOCIAL WORK MAY BE COUNTED TOWARD AN UNDERGRADUATE MINOR IN THE DEPARTMENTS OF ANTHROPOLOGY, ECONOMICS, POLITICAL SCIENCE, PSYCHOLOGY, AND SOCIOLOGY.

COURSES FOR ADVANCED UNDERGRADUATES

SOC W 225 INTRODUCTION TO SOCIAL WORK I.
PREREQUISITE--JUNIOR STANDING.
3 HOURS

06333	LECT-DISC	10	M W F	396	L H		BARNES

SOC W 226 INTRODUCTION TO SOCIAL WORK II.
PREREQUISITE--JUNIOR STANDING, SOC. W. 225.
3 HOURS

06334	LECT-DISC	2	M W F	184	L H		COSTIN

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOC W 316 SOCIAL SERVICES FOR CHILDREN.
PREREQUISITE--JUNIOR STANDING AND A MAJOR IN ANY OF THE SOCIAL SCIENCES, EDUCATION, RECREATION, SPEECH CORRECTION, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT

06335	LECT-DISC	1	M W F	152	D H		COSTIN

SOC W 333 INTRODUCTION TO SOCIAL GROUP WORK.
PREREQUISITE--JUNIOR STANDING WITH INTRODUCTORY COURSES IN SOCIOLOGY, PSYCHOLOGY, SOCIAL SCIENCES.
2 HOURS, OR 1/2 UNIT

06336	LECT-DISC	1-3	TU	106	L H		STAFF

COURSES FOR GRADUATES

NOTE--TO BE ADMITTED TO GRADUATE STUDY IN SOCIAL WORK, STUDENTS MUST HAVE HAD TWENTY HOURS IN THE SOCIAL SCIENCES, PREFERABLY INCLUDING THE INTRODUCTORY COURSES IN PSYCHOLOGY, SOCIOLOGY, ECONOMICS, POLITICAL SCIENCE, SOCIAL ANTHROPOLOGY, HISTORY, PHILOSOPHY, AND PREPROFESSIONAL COURSES SUCH AS STATISTICAL METHODS AND INTRODUCTION TO SOCIAL WORK.

06337	LECT-DISC	A1	11	TU	1207 W OREGON		TANENBAUM

SOC W 422 SOCIAL WORK METHODS II.
PREREQUISITE--SOC.W. 421.
2 TO 4 UNITS
SECTIONS A1 AND A2 ARE REQUIRED OF ALL STUDENTS, SECTIONS B1 AND B2 OF CASEWORK MAJORS, AND SECTIONS C1 AND C2 OF GROUP WORK MAJORS.
A1 GENERIC PRINCIPLES-CASEWORK AND GROUP WORK
A2 RESEARCH
B1 SOCIAL CASEWORK
B2 FIELD INSTRUCTION IN SOCIAL CASEWORK
C1 SOCIAL GROUP WORK
C2 FIELD INSTRUCTION IN SOCIAL GROUP WORK

*NOTE THAT STARRED SECTIONS MEET IN CHICAGO.

06338	LECT-DISC	A1	11	TU	1207 W OREGON		VATTANO
06342	LECT-DISC	*A1C	9	TU	833 WOOD CHICAGO		POOLE AND SIMO
06339	LECT-DISC	A2	9-11	M	1207 W OREGON		TABER
06343	LECT-DISC	*A2C	10-12	TU	833 WOOD CHICAGO		CANTER
06340	LECT-DISC	B1	1-3	M	1207 W OREGON		
06344	LECT-DISC	*B1C	1-3	TU	833 WOOD CHICAGO		HOLDEN
06341	PRACT	B2	830-5	WTHF	ARR		STAFF
06345	PRACT	*B2C	ARR	WTHF	ARR		STAFF
06347	LECT-DISC	*C1C	1-3	TU	833 WOOD CHICAGO		CANTER
06346	PRACT	*C2C	ARR	WTHF	ARR		STAFF

SOC W 424 SOCIAL WORK METHODS IV.
PREREQUISITE--SOC.W. 423.
2 TO 4 UNITS
SECTION A1 IS REQUIRED OF ALL STUDENTS. SECTIONS B1 AND B2 OF CASEWORK MAJORS, SECTIONS C1 AND C2 OF GROUP WORK MAJORS.
A1 SOCIAL WORK PRACTICE
B1 SOCIAL CASEWORK
B2 FIELD INSTRUCTION IN SOCIAL CASEWORK
C1 SOCIAL GROUP WORK
C2 FIELD INSTRUCTION IN SOCIAL GROUP WORK

*NOTE THAT STARRED SECTIONS MEET IN CHICAGO.

06349	LECT-DISC	A1	9	M	1205 W OREGON	VATTANO
06352	LECT-DISC	*A1C	9	TU	833 WOOD CHICAGO	CANTER & WILLE
06350	LECT-DISC	B1	1-3	TU	1205 W OREGON	TANENBAUM
06353	LECT-DISC	*B1C	10-12	TU	833 WOOD CHICAGO	POOLE
06351	PRACT	B2	830-5	WTHF	ARR	STAFF
06354	PRACT	*B2C	ARR	WTHF	ARR	STAFF
06355	LECT-DISC	*C1C	1-3	TU	833 WOOD CHICAGO	SIMON
06356	PRACT	*C2C	ARR	WTHF	ARR	STAFF

SOC W 453 DYNAMICS OF HUMAN DEVELOPMENT, II.
PREREQUISITE--SOC.W. 451.
1 TO 2 UNITS
*MEETS IN CHICAGO.

06357	LECT-DISC	A1	1-4	TU	1207 W OREGON	SULLIVAN
06358	LECT-DISC	*A1C	10	M	833 WOOD CHICAGO	HOLDEN
		*A1C	12-2	M	833 WOOD CHICAGO	AND LECTURERS

SOC W 461 SPECIAL STUDIES IN SOCIAL WORK I.
1 TO 2 UNITS
*MEETS IN CHICAGO.

06359	LECT-DISC	A1	ARR			STAFF
06360	LECT-DISC	*A1C	ARR			STAFF

SOC W 462 SPECIAL STUDIES IN SOCIAL WORK II.
1 TO 2 UNITS
*MEETS IN CHICAGO.

06361	LECT-DISC	A1	ARR			STAFF
06362	LECT-DISC	*A1C	ARR			STAFF

SOC W 482 SOCIAL WELFARE ORGANIZATION II.
PREREQUISITE--SOC.W. 481.
1 TO 2 UNITS

06363	LECT-DISC	A1	11	M	1207 W OREGON	MCDONALD
		A1	9-11	TU	1207 W OREGON	MCDONALD
06364	LECT-DISC	*A1C	9-12	W	833 WOOD CHICAGO	BORUS

SOC W 484 SOCIAL WELFARE ORGANIZATION IV.
PREREQUISITE--SOC.W. 483.
1 TO 2 UNITS

06365	LECT-DISC	A1	11	M	1205 W OREGON	STAFF
		A1	1-3	M	1205 W OREGON	STAFF
06366	LECT-DISC	*A1C	9-12	W	833 WOOD CHICAGO	ALDERSON

SOC W 491 RESEARCH SEMINAR.
PREREQUISITE--SOC.W. 421 AND 422, SECTION A2.
0 TO 2 UNITS

06367	CONF	A1	9-11	TU	1205 W OREGON	TABER
06368	CONF	*A1C	2-4	W	833 WOOD CHICAGO	CANTER

SOCIOLOGY

DEPARTMENT OFFICE 342 L H

MAJOR--TWENTY HOURS FROM ANY COURSES IN SOCIOLOGY, EXCLUDING SOCIOL. 100, 104, AND 105. SOCIOLOGY MAJORS ARE STRONGLY ADVISED TO TAKE AT LEAST ONE COURSE IN EACH OF THE FOLLOWING FIELDS--GENERAL SOCIOLOGICAL THEORY--SOC. 243, 300--SOCIETY AND THE INDIVIDUAL--SOC. 212 AND 320--AND SOCIOLOGICAL RESEARCH METHODS--SOC. 385 AND 386. SOC. 185, OR AN EQUIVALENT, IS REQUIRED FOR SOCIOLOGY MAJORS.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANTHROPOLOGY, ECONOMICS, HISTORY, LAW, MATHEMATICS, PHILOSOPHY, POLITICAL SCIENCE, PSYCHOLOGY AND SOCIAL WORK. THE CURRICULUM IN RUSSIAN LANGUAGE AND AREA STUDIES IS ALSO ACCEPTED AS A MINOR.

DEPARTMENTAL DISTINCTION--IN ORDER TO BE AWARDED DISTINCTION IN SOCIOLOGY AT GRADUATION, THE STUDENT MUST 1 -HAVE AT LEAST A 4.0 ALL UNIVERSITY GRADE POINT AVERAGE, 2 - MEET THE GENERAL REQUIREMENTS FOR A MAJOR IN SOCIOLOGY, AND, 3- IN ADDITON TO THE WORK DONE FOR THE MAJOR, EARN FOUR SEMESTER HOURS OF CREDIT BY ENROLLING IN ONE OR BOTH OF THE HONORS COURSES--SOC. 290-291.

COURSES FOR UNDERGRADUATES

SOC 100 INTRODUCTION TO SOCIOLOGY.
*CREDIT IS NOT GIVEN FOR BOTH SOC. 100 AND R. SOC. 117.
*3 HOURS
*STUDENTS IN LECTURE A MUST ELECT A QUIZ IN SECTION A. THOSE IN LECTURE B MUST ELECT A QUIZ IN SECTION B. THOSE IN LECTURE C MUST ELECT A QUIZ IN SECTION C.

06389	LECT	*A	10	M W		L H THEATER			HULETT
06369	QUIZ	A1	10		F	340	L H		
06370	QUIZ	A2	1		F	332	L H		
06371	QUIZ	A3	9		F	340	L H		
06372	QUIZ	A4	8		F	340	L H		
06373	QUIZ	A5	8		TH	340	L H		
06374	QUIZ	A6	9		TH	340	L H		
06375	QUIZ	A7	2		TH	340	L H		
06376	QUIZ	A8	9		S	340	L H		
06377	QUIZ	A9	10		S	340	L H		
06390	LECT	*B	1	M W		213	G H		GUSFIELD
06378	QUIZ	B1	1		F	362	L H		
06379	QUIZ	B2	2		TH	326	L H		
06380	QUIZ	B3	8		F	326	L H		
06381	QUIZ	B4	10		F	331	G H		
06382	QUIZ	B5	9		TH	331	G H		
06383	QUIZ	B6	10		TH	340	L H		
06391	LECT	*C	2	M W		66	LIB		SCHNEIDER
06384	QUIZ	C1	2		F	331	G H		
06385	QUIZ	C2	11		F	326	L H		
06386	QUIZ	C3	1		F	331	G H		
06387	QUIZ	C4	9		S	326	L H		
06388	QUIZ	C5	10		S	326	L H		

SOC 105 COMMUNITY AND SOCIETY.
4 HOURS
*SECTIONS &A6 AND &B9 FOR JAMES SCHOLARS. OTHERS MAY BE ADMITTED WITH CONSENT OF THEIR ADVISERS.

06392	LECT	ATV	10	TU TH		201	E B		SCHNEIDER
		ATV	10	TU TH		205	E B		
		ATV	10	TU TH		209	E B		
		ATV	10	TU TH		119	D K H		
06396	QUIZ	A1	8	M W		1204	W OREGON		
06397	QUIZ	A2	8	M W		326	L H		
06398	QUIZ	A3	9	M W		1204	W OREGON		
06399	QUIZ	A4	9	M W		340	L H		
06400	QUIZ	A5	8	TU TH		326	L H		
06421	QUIZ	*&A6	9	TU TH		1204	W OREGON		
06401	QUIZ	A7	11	TU TH		331	G H		
06402	QUIZ	A8	11	TU TH		134	ARMORY		
06403	QUIZ	A9	12	TU TH		340	L H		
06404	QUIZ	A10	1	TU TH		326	L H		
06405	QUIZ	A11	2	TU TH		331	G H		
06406	QUIZ	A12	3	TU TH		340	L H		

SOC 105 CONTINUED

06407	LECT	BTV	1	TU TH	201	E B		SCHNEIDER
		BTV	1	TU TH	205	E B		
		BTV	1	TU TH	209	E B		
		BTV	1	TU TH	119	D K H		
06411	QUIZ	B1	8	M W	340	L H		
06412	QUIZ	B2	10	M W	340	L H		
06413	QUIZ	B3	11	M W	326	L H		
06414	QUIZ	B4	8	TU TH	331	G H		
06415	QUIZ	B5	9	TU TH	326	L H		
06416	QUIZ	B6	10	TU TH	331	G H		
06417	QUIZ	B7	10	TU TH	134	ARMORY		
06418	QUIZ	B8	12	TU TH	331	G H		
06422	QUIZ	*&B9	2	TU TH	1204	W OREGON		
06419	QUIZ	B10	2	TU TH	134	ARMORY		
06420	QUIZ	B11	3	TU TH	134	ARMORY		

SOC 131 SOCIAL PROBLEMS
PREREQUISITE--THREE HOURS OF SOCIOLOGY OR EIGHT HOURS OF SOCIAL SCIENCE.
3 HOURS

06423	LECT-DISC	A	12	M W F	213	G H		LEWIS

SOC 185 INTRODUCTION TO SOCIAL SCIENCE RESEARCH METHODS.
SAME AS ANTH. AND GEOG. 185.
PREREQUISITE--SOC. 100 OR CONSENT OF INSTRUCTOR OR SIX HOURS IN SOCIOLOGY, POLITICAL SCIENCE, ANTHROPOLOGY, OR GEOGRAPHY.
3 HOURS

06424	LECT-DISC	A	930-11	TU TH	318	L H		SIMMONS
06425	LECT-DISC	B	11-1220	TU TH	318	L H		SIMMONS

COURSES FOR ADVANCED UNDERGRADUATES

SOC 218 TECHNOLOGY AND SOCIAL CHANGE.
PREREQUISITE--SOC. 100 OR EQUIVALENT.
3 HOURS

06426	LECT-DISC	A	1030-12	TU TH	326	L H		PHILLIPS

SOC 223 STRATIFICATION AND SOCIAL CLASSES .
PREREQUISITE--THREE HOURS OF SOCIOLOGY OR EIGHT HOURS OF SOCIAL SCIENCE.
3 HOURS

06427	LECT-DISC	A	2	M W F	340	L H		AGASSI

SOC 225 RACIAL AND CULTURAL MINORITIES.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152, JUNIOR STANDING.
3 HOURS

06428	LECT-DISC	A	8-920	TU TH	314	L H		JOHNSON
06429	LECT-DISC	B	3-420	M W	314	L H		JOHNSON

SOC 229 SOCIOLOGY OF RELIGION.
PREREQUISITE--A COURSE IN INTRODUCTORY SOCIOLOGY.
3 HOURS

06430	LECT-DISC	A	130-3	M W	331	G H		LAZERWITZ
06431	LECT-DISC	B	3	M W F	331	G H		SCHNEIDER

SOC 231 ANALYSIS OF JUVENILE DELINQUENCY.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152.
3 HOURS.

06432	LECT-DISC	A	1	M W F	314	L H		CLARK

SOC 276 SOCIOLOGY OF THE CITY.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D.G.S. 151 AND 152, JUNIOR STANDING.
3 HOURS
*FOR ARCHITECTURE STUDENTS ONLY.

06433	LECT-DISC	A	9	M W F	314	L H		LEWIS
06434	LECT-DISC	*B	4-520	M W	213	G H		MARIS

SOC 277 RURAL SOCIAL CHANGE.
SAME AS R. SOC. 277.
PREREQUISITE--SOC. 100 OR R. SOC. 117.
FIELD TRIP, ESTIMATED EXPENSE, $5.
3 HOURS
06435 LECT-DISC D 11 M W F 320 M H LINDSTROM

SOC 291 HONORS.
PREREQUISITE--SENIOR STANDING.
2 HOURS
06436 CONF &A ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SOC 300 SOCIAL SYSTEMS AND INSTITUTIONS.
PREREQUISITE--SOC. 100, OR EIGHT HOURS IN SOCIAL SCIENCE, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06437 LECT-DISC A 1030-12 TU TH 314 L H JOHNSON

SOC 311 SOCIOLOGY OF INTELLECTUAL LIFE.
PREREQUISITE--SOC. 100, OR EIGHT HOURS IN SOCIAL SCIENCE OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06438 LECT-DISC A 9 M W F 326 L H VUCINICH

SOC 318 INDUSTRY AND SOCIETY.
SAME AS L.I.R. 318.
PREREQUISITE--SIX HOURS OF SOCIOLOGY INCLUDING ONE OF THE FOLLOWING--SOC. 218, 223, 300, 322, 326, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06439 LECT-DISC A 9 M W F 43 ILIR KARSH

SOC 320 SOCIAL ROLES.
PREREQUISITE--SOC. 100 OR 104 AND 105 OR D. G. S. 151 AND 152, JUNIOR STANDING.
3 HOURS, OR 1/2 OR 1 UNIT
06440 LECT-DISC A 2 M W F 326 L H HULETT

SOC 321 FAMILY, KINSHIP, AND CRISIS.
PREREQUISITE--SOC. 185.
3 HOURS, OR 1/2 OR 1 UNIT
06441 LECT-DISC A 3-420 TU TH 326 L H FARBER

SOC 326 SOCIAL MOBILITY AND CLASS STRUCTURE.
PREREQUISITE--SOC. 223, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06442 LECT-DISC A 9-1020 TU TH 326 L H TIEN

SOC 331 CRIMINOLOGY.
PREREQUISITE--SOC. 100, OR 104 AND 105, OR D. G. S. 151 AND 152, JUNIOR STANDING, PRELEGAL JUNIORS MAY BE ADMITTED WITH CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06443 LECT-DISC A 2 M W F 314 L H CLARK

SOC 340 SOCIAL MOVEMENTS.
PREREQUISITE--SOC. 100, OR 104 AND 105.
3 HOURS, OR 1/2 OR 1 UNIT
06444 LECT-DISC A 3-420 M W 326 L H GUSFIELD

SOC 350 SOVIET SOCIAL INSTITUTIONS.
PREREQUISITE--SOC. 100, OR CONSENT OF INSTRUCTOR.
PREREQUISITE WAIVED FOR MAJORS AND MINORS IN RUSSIAN LANGUAGE AND AREA STUDIES.
3 HOURS, OR 1/2 OR 1 UNIT
06445 LECT-DISC A 11 M W F 314 LH VUCINICH

SOC 360 SOCIOLOGY OF THE PROFESSIONS.
PREREQUISITE--SOC. 100, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06446 LECT-DISC A 1 M W F 326 L H TIEN

SOC 370 POPULATION AND SOCIAL ECOLOGY.
SAME AS R. SOC. 370.
PREREQUISITE--SOC. 185 OR EQUIVALENT.
3 HOURS, OR 3/4 OR 1 UNIT
06447 LECT-DISC K 8-10 TU 320 M H FULSE
K 8 TH 320 M H

SOC 372 SOCIAL ASPECTS OF MASS COMMUNICATIONS.
SAME AS JOURN. AND COMM. 372.
PREREQUISITE--JUNIOR STANDING.
3 HOURS, OR 1/2 UNIT
06448 LECT-DISC A 10 TU TH 123 G H BROWN

SOC 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS ANTH., GEOG., H. ED., PHYSL., PSYCH., V.M.S. 374.
PREREQUISITE--ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S., OR ZOOL 369.
4 HOURS OR 1 UNIT
06449 LECT-DISC D 11 M WTHF 242 BEV HALL

SOC 386 METHODS OF FIELD RESEARCH.
PREREQUISITE--THREE HOURS IN ADVANCED COURSES IN SOCIOLOGY AND SENIOR STANDING, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06450 LECT-DISC A 1-220 TU TH 318 L H SIMMONS

SOC 387 SOCIAL STATISTICS II.
PREREQUISITE--SOC. 385.
3 HOURS, OR 3/4 OR 1 UNIT
06451 LECT-DISC A 10-1120 M W 318 L H LAZERWITZ

COURSES FOR GRADUATES

SOC 409 PSYCHOLOGICAL SCALING.
SAME AS PSYCH. 409.
PREREQUISITE--PSYCH. 307.
1 UNIT
06452 LECT-DISC 10-12 TU 307 G H TUCKER

SOC 414 SEMINAR ON SOCIAL INTERACTION.
SAME AS COMM. 414.
PREREQUISITE--ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY.
1 UNIT
06453 LECT-DISC 1-3 TU 348 L H HULETT

SOC 417 SEMINAR IN THE SOCIOLOGY OF LAW.
PREREQUISITE--SOC. 317.
1 UNIT
06454 LECT-DISC 3-5 W 1204 W OREGON BORDUA

SOC 418 SEMINAR IN INDUSTRIAL AND ECONOMIC SOCIOLOGY.
SAME AS L.I.R. 418.
PREREQUISITE--SOC. 318 OR CONSENT OF INSTRUCTOR.
1 UNIT
06455 LECT-DISC 10-12 W 43 ILIR PHILLIPS

SOC 422 THEORY OF SOCIAL GROUPS.
1 UNIT
06456 LECT-DISC 1-3 M 348 L H GLASER

SOC 432 CRITIQUE OF RESEARCH IN JUVENILE DELINQUENCY.
PREREQUISITE--SOC. 331 OR CONSENT OF INSTRUCTOR.
1 UNIT
06457 LECT-DISC 3-5 M 1204 W OREGON BORDUA

SOC 444 SEMINAR IN PUBLIC OPINION.
SAME AS COMM. 444.
1 UNIT
06458 LECT-DISC 3-5 TH 348 L H SIMON

SOC 473 THE COMMUNITY IN MODERN AMERICAN SOCIETY.
PREREQUISITE--SOC. 400.
1 UNIT
06459 LECT-DISC 1-3 TH 348 L H TIEN

SOC 477 RURAL COMMUNITY ORGANIZATION AND DEVELOPMENT.
SAME AS R. SOC. 477.
PREREQUISITE--SOC. 100 OR R. SOC. 117.
FIELD TRIP, ESTIMATED EXPENSE, $5.
1 UNIT
06460 LECT-DISC 3-5 W 405 M H LINDSTROM

SOC 482 RECENT DEVELOPMENTS IN SOCIOLOGY.
*STUDENTS MAY ACCUMULATE TWO UNITS.
1 UNIT
TOPIC--SEMINAR IN SOCIOLOGY OF EDUCATION.
06461 LECT-DISC 3-5 TU 348 L H GUSFIELD

SOC 487 SPECIAL PROBLEMS IN RURAL SOCIOLOGY.
SAME AS R. SOC. 487.
PREREQUISITE--ONE UNIT OF GRADUATE CREDIT IN SOCIOLOGY,
CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT
06462 CONF ARR STAFF

SOC 490 INDIVIDUAL TOPICS IN SOCIOLOGY.
1/2 TO 2 UNITS
06463 CONF ARR STAFF

SOC 495 COMPUTER APPLICATIONS TO SOCIOLOGICAL INVESTIGATIONS.
PREREQUISITE--SOC. 385 OR EQUIVALENT EXPERIENCE IN STATISTICS.
3/4 UNIT
06464 LECT-DISC 1-3 W 318 L H DICKMAN

SOC 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
*SECTION A IS FOR MASTERS THESIS AND SECTION B IS FOR DOCTORS
THESIS.
06465 CONF ARR STAFF

SPANISH

DEPARTMENT OFFICE 224 L H

MAJOR--TWENTY HOURS IN SPANISH, EXCLUDING SPANISH 101,102,103, 104, AND 115, AND INCLUDING AT LEAST EIGHT HOURS OF SPANISH FROM THE GROUP FOR ADVANCED UNDERGRADUATES AND GRADUATES. EITHER LING. 300, INTRODUCTION TO LINGUISTICS, OR LING. 302, COMPARATIVE LINGUISTICS, MAY BE COUNTED TOWARD THE MAJOR IN SPANISH. EITHER SOC.SCI. 101 OR 102, LATIN-AMERICAN CIVILIZATION, MAY BE COUNTED TOWARD THE MAJOR IN SPANISH AND IS REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.

MINORS--TWENTY HOURS IN NOT MORE THAN TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN, EDUCATION, ENGLISH--EXCLUDING RHET. 101 AND 102--FRENCH, GERMAN, GREEK, HISTORY, ITALIAN, LATIN, LATIN-AMERICAN STUDIES, LIBRARY SCIENCE, MEDIEVAL CIVILIZATION STUDIES, PHILOSOPHY, PORTUGUESE, AND RUSSIAN.

SPAN 101 ELEMENTARY SPANISH, I.
•NO CREDIT TOWARD GRADUATION IS GIVEN FOR SPAN. 101 WITHOUT SPAN. 102.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--TU. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7P.M., 8P.M.
•ALL STUDENTS ASSIGNED TO 101 ON THE BASIS OF THE PLACEMENT TEST MUST REGISTER IN SECTIONS •A1, •B, •X1, OR •H1. ALL OTHER STUDENTS MUST REGISTER IN NON-STARRED SECTIONS.

06474	LECT-DISC	•A1	8	TUWTHF	4	G H
06466	LECT-DISC	A2	8	TUWTHF	136	ARMORY
06475	LECT-DISC	•B	9	TUWTHF	137	ARMORY
06467	LECT-DISC	C	10	TUWTHF	176	L H
06468	LECT-DISC	D	11	TUWTHF	137	ARMORY
06476	LECT-DISC	•X1	12	MTUWTH	108	L H
06469	LECT-DISC	X2	12	MTUWTH	176	L H
06470	LECT-DISC	F1	2	MTUWTH	4	G H
06471	LECT-DISC	F2	2	MTUWTH	136	ARMORY
06472	LECT-DISC	G	3	MTUWTH	216	L H
06477	LECT-DISC	•H1	4	MTUWTH	4	G H
06473	LECT-DISC	H2	4	MTUWTH	274	L H

SPAN 102 ELEMENTARY SPANISH, II.
PREREQUISITE--SPAN. 101 OR ONE YEAR OF HIGH SCHOOL SPANISH.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.
•4 HOURS
SECTION &S IS AN HONOR SECTION, OPEN ONLY TO JAMES SCHOLARS OR TO STUDENTS WHO HAVE RECEIVED A IN SPAN. 101.
ALL STUDENTS IN THIS COURSE ARE REQUIRED TO REGISTER FOR ONE HOUR OF WORK WEEKLY IN THE LANGUAGE LABORATORY, 202 LINCOLN HALL, CHOOSING THEIR HOUR FROM THE FOLLOWING SCHEDULE--W. 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 7 P.M., 8 P.M.
•SECTIONS •A1 AND •X1 WILL MEET FIVE HOURS PER WEEK.
ALL NEW AND TRANSFER STUDENTS AS WELL AS ALL STUDENTS ASSIGNED TO 102 ON THE BASIS OF THE PLACEMENT TEST MUST REGISTER IN THE STARRED SECTIONS. ALL OTHER STUDENTS MUST REGISTER IN NON-STARRED SECTIONS.

06495	LECT-DISC	•A1	8	MTUWTHF	108	L H
06478	LECT-DISC	A2	8	TUWTHF	217	G H
06479	LECT-DISC	A3	8	TUWTHF	176	L H
06480	LECT-DISC	B1	9	TUWTHF	217	G H
06481	LECT-DISC	B2	9	TUWTHF	136	ARMORY
06482	LECT-DISC	C1	10	TUWTHF	431	ARMORY
06483	LECT-DISC	C2	10	TUWTHF	230	L H
06494	LECT-DISC	&S	11	TUWTHF	216	L H
06484	LECT-DISC	D	11	TUWTHF	217	G H
06496	LECT-DISC	•X1	12	MTUWTHF	170	L H
06485	LECT-DISC	X2	12	MTUWTH	217	G H
06486	LECT-DISC	X3	12	MTUWTH	4	G H
06487	LECT-DISC	E	1	MTUWTH	136	ARMORY
06488	LECT-DISC	F1	2	MTUWTH	118	L H
06489	LECT-DISC	F2	2	MTUWTH	137	ARMORY
06490	LECT-DISC	G1	3	MTUWTH	217	G H
06491	LECT-DISC	G2	3	MTUWTH	431	ARMORY
06492	LECT-DISC	H1	4	MTUWTH	102	L H
06493	LECT-DISC	H2	4	MTUWTH	216	L H

SPAN 103 INTERMEDIATE SPANISH, I.
PREREQUISITE--SPAN. 102 OR TWO YEARS OF HIGH SCHOOL SPANISH.
4 HOURS
SECTION &S IS AN HONOR SECTION, OPEN ONLY TO JAMES SCHOLARS OR TO STUDENTS WHO HAVE RECEIVED A IN SPAN. 102.

06497	LECT-DISC	A	8	TUWTHF	274	L H
06498	LECT-DISC	B	9	TUWTHF	176	L H
06499	LECT-DISC	C	10	TUWTHF	137	ARMORY
06500	LECT-DISC	D	11	TUWTHF	274	L H
06501	LECT-DISC	X	12	MTUWTH	102	L H
06502	LECT-DISC	E	1	MTUWTH	137	ARMORY
06505	LECT-DISC	&S	2	MTUWTH	176	L H
06503	LECT-DISC	G	3	MTUWTH	176	L H
06504	LECT-DISC	H	4	MTUWTH	217	G H

SPAN 104 INTERMEDIATE SPANISH, II.
PREREQUISITE--SPAN. 103 OR THREE YEARS OF HIGH SCHOOL SPANISH.
4 HOURS
SECTION &S IS AN HONOR SECTION, OPEN ONLY TO JAMES SCHOLARS OR TO STUDENTS WHO HAVE RECEIVED A IN SPAN. 103.

06506	LECT-DISC	A1	8	TUWTHF	118	L	H
06507	LECT-DISC	A2	8	TUWTHF	170	L	H
06508	LECT-DISC	B	9	TUWTHF	118	L	H
06518	LECT-DISC	&S	9	TUWTHF	170	L	H
06509	LECT-DISC	C	10	TUWTHF	170	L	H
06510	LECT-DISC	D	11	TUWTHF	108	L	H
06511	LECT-DISC	X1	12	MTUWTH	118	L	H
06512	LECT-DISC	X2	12	MTUWTH	274	L	H
06513	LECT-DISC	E	1	MTUWTH	176	L	H
06514	LECT-DISC	F	2	MTUWTH	108	L	H
06515	LECT-DISC	G	3	MTUWTH	118	L	H
06516	LECT-DISC	H1	4	MTUWTH	108	L	H
06517	LECT-DISC	H2	4	MTUWTH	176	L	H

SPAN 115 ELEMENTARY COMPOSITION AND CONVERSATION.
PREREQUISITE--SPAN. 102 OR TWO YEARS OF HIGH SCHOOL SPANISH.
2 HOURS

06519	LECT-DISC	M	11	TU TH	102	L	H

COURSES FOR ADVANCED UNDERGRADUATES

SPAN 211 INTERMEDIATE COMPOSITION AND CONVERSATION, I.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
3 HOURS

06520	LECT-DISC	A	8	M W F	230	L	H	
06521	LECT-DISC	B	9	M W F	102	L	H	
06522	LECT-DISC	C	10	M W F	136	ARMORY		
06523	LECT-DISC	X	12	M W F	230	L	H	
06524	LECT-DISC	G	3	M W F	136	ARMORY		

SPAN 212 INTERMEDIATE COMPOSITION AND CONVERSATION, II.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 211 OR EQUIVALENT.
3 HOURS

06525	LECT-DISC	A	8	M W F	102	L	H	
06526	LECT-DISC	B	9	M W F	4	G	H	
06527	LECT-DISC	C	10	M W F	217	G	H	
06528	LECT-DISC	D	11	M W F	136	ARMORY		
06529	LECT-DISC	F	2	M W F	217	G	H	
06530	LECT-DISC	G	3	M W F	4	G	H	

SPAN 214 ADVANCED COMPOSITION AND CONVERSATION, II.
PREREQUISITE--SPAN. 213 OR EQUIVALENT.
3 HOURS

06531	LECT-DISC	C	10	M W F	4	G	H	
06532	LECT-DISC	D	11	M W F	4	G	H	

SPAN 215 SPOKEN SPANISH.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 212, SENIOR STANDING.
4 HOURS

06533	LECT-DISC	Z1	1-3	MTUWTH	230	L	H	FLORES AND
06534	LECT-DISC	Z2	3-5	MTUWTH	230	L	H	STAFF

SPAN 221 SPANISH DRAMA AND POETRY OF THE TWENTIETH CENTURY.
PREREQUISITE--SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
3 HOURS

06535	LECT-DISC	C	10	M W F	118	L	H	TESTA
06536	LECT-DISC	D	11	M W F	116	L	H	BALDWIN

SPAN 222 SPANISH AMERICAN PROSE FICTION OF THE TWENTIETH CENTURY.
PREREQUISITE--SPAN. 221.
3 HOURS

06537	LECT-DISC	B	9	M W F	108	L	H	
06538	LECT-DISC	C	10	M W F	108	L	H	BLAYLOCK
06539	LECT-DISC	E	1	M W F	102	L	H	MEINHARDT

SPAN 231 COMMERCIAL SPANISH.
PREREQUISITE--SPAN. 104 OR FOUR YEARS OF HIGH SCHOOL SPANISH.
3 HOURS
06540 LECT-DISC E 1 M W F 217 G H

SPAN 292 SENIOR THESIS.
FOR CANDIDATES FOR HONORS IN SPANISH.
2 HOURS
06541 CONF &A ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

NOTE--ALL ADVANCED COURSES IN SPANISH UNLESS OTHERWISE NOTED HAVE THE FOLLOWING PREREQUISITE--SPAN. 222 OR EQUIVALENT.

SPAN 306 THE GENERATION OF 1898.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT
*SECTION E FOR GRADUATE STUDENTS ONLY.
06542 LECT-DISC D 11 M W F 102 L H KRONIK
06543 LECT-DISC *E 1 M W F 116 L H KRONIK

SPAN 307 SPANISH AMERICAN LITERATURE TO 1888.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
3 HOURS, OR 1/2 UNIT
*SECTION D FOR GRADUATE STUDENTS ONLY.
06544 LECT-DISC C 10 M W F 102 L H FORSTER
06545 LECT-DISC *D 11 M W F 230 L H LEAL

SPAN 311 DON QUIXOTE AND THE PROSE OF THE GOLDEN AGE.
PREREQUISITE--SPAN. 305, 306, 307, OR 308, OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT
06546 LECT-DISC 3 M W 274 L H CROSBY

SPAN 314 SPANISH DRAMA AND POETRY OF THE GOLDEN AGE.
PREREQUISITE--SPAN. 305, 306, 307, OR 308, OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT
06547 LECT-DISC 9 M W 274 L H FLORES

SPAN 331 LA CULTURA HISPANICA--ESPANA.
EITHER SPAN. 331 OR 332 REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT
06548 LECT-DISC 3 TU TH 170 L H MORINIGO

SPAN 351 PHONETICS.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT
06549 LECT-DISC 9 TU TH 274 L H FLORES

SPAN 352 SYNTAX.
REQUIRED FOR TEACHER-TRAINING MAJORS IN SPANISH.
PREREQUISITE--SPAN. 222 OR EQUIVALENT.
2 HOURS, OR 1/2 UNIT.
*SECTION *C2 IS RESERVED FOR GRADUATE STUDENTS.
06550 LECT-DISC C1 10 TU TH 102 L H BLAYLOCK
06551 LECT-DISC *C2 10 TU TH 274 L H KAHANE

SPAN 382 LANGUAGE LABORATORY TECHNIQUES.
SAME AS FR., GER., AND RUSS. 382.
PREREQUISITE--3 YEARS OF MODERN FOREIGN LANGUAGE AT THE COLLEGE LEVEL, OR THE EQUIVALENT.
2 HOURS, OR 1/2 UNIT
06552 LECT-DISC 9 TU TH 232 L H NACHTMANN

SPAN 405 SPANISH BIBLIOGRAPHY.
1/2 UNIT
06553 LECT-DISC 10 M 274 L H ALLEN

SPAN 411 SPANISH LITERATURE IN THE MIDDLE AGES.
1 UNIT
06554 LECT-DISC 10 W F 274 L H ALLEN

SPAN 417 SEVENTEENTH-CENTURY LITERATURE.
1 UNIT
06555 LECT-DISC 3 M W 170 L H MORINIGO

SPAN 418 SEMINAR IN SEVENTEENTH-CENTURY LITERATURE.
PREREQUISITE--SPAN. 311, 415, OR 417.
1 UNIT
06556 LECT-DISC 2 M W 274 L H CROSBY

SPAN 422 CONTEMPORARY SPANISH NOVEL AND ESSAY.
1 UNIT
06557 LECT-DISC 11 TU TH 425A LIB SHOEMAKER

SPAN 424 CONTEMPORARY SPANISH DRAMA.
1 UNIT
06558 LECT-DISC 1 TU TH 118 L H KRONIK

SPAN 425 RENAISSANCE AND BAROQUE POETRY IN SPAIN.
1 UNIT
06559 LECT-DISC 3 TU TH 274 L H CROSBY

SPAN 426 SPANISH POETRY OF THE NINETEENTH AND TWENTIETH CENTURIES.
1 UNIT
06560 LECT-DISC 4 TU TH 170 L H PIETRANGELI

SPAN 431 SPANISH-AMERICAN POETRY--MIDDLE AMERICA.
PREREQUISITE--SPAN. 307 AND 308 OR EQUIVALENT.
1 UNIT
06561 LECT-DISC 4 M W 170 L H FORSTER

SPAN 434 SPANISH-AMERICAN NOVEL--SOUTH AMERICA.
PREREQUISITE--SPAN. 307 AND 308 OR EQUIVALENT.
1 UNIT
06562 LECT-DISC 2 TU TH 274 L H LEAL

SPAN 438 SPANISH-AMERICAN ESSAY.
PREREQUISITE--SPAN. 307 OR 308.
1 UNIT
06563 LECT-DISC 1 TU TH 274 L H LEAL

SPAN 444 SEMINAR IN SPANISH REALISM AND NATURALISM.
PREREQUISITE--SPAN. 421 AND 422.
1 UNIT
06564 LECT-DISC 10 TU TH 425A LIB SHOEMAKER

SPAN 452 SEMINAR IN SPANISH LINGUISTICS.
1 UNIT
06565 LECT-DISC 1 M W 274 L H MORINIGO

SPAN 454 OLD SPANISH.
1 UNIT
06566 LECT-DISC 9 TU TH 425A LIB KAHANE

SPAN 491 SPECIAL TOPICS IN SPANISH.
1/2 OR 1 UNIT
06567 CONF ARR STAFF

SPAN 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS
06568 CONF ARR ALLEN, CROSBY, KAHANE, LEAL, MORINIGO, SHOEMAKER

SPECIAL EDUCATION

DEPARTMENT OFFICE 210 EDUC

COURSES FOR UNDERGRADUATES

SP ED 117 EXCEPTIONAL CHILDREN.
PREREQUISITE--SOPHOMORE STANDING AND/OR PSYCH. 100.
3 HOURS

06569	LECT		10-12	TU	2	EDUC	JORDAN
06570	DISC	K	8	W	1	EDUC	
06571	DISC	L	4	W	176	EDUC	
06572	DISC	M	1	TH	1	EDUC	
06573	DISC	N	3	TH	162	EDUC	

COURSES FOR ADVANCED UNDERGRADUATES

SP ED 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS
06574 CONF &A ARR STAFF

SP ED 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS
06575 CONF &A ARR STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

SP ED 317 PSYCHO-SOCIAL EDUCATIONAL ASPECTS OF DEAFNESS.
PREREQUISITE--SP. ED. 117 AND PSYCH. 100 OR ED. PSY. 211.
3 HOURS, OR 1/2 TO 1 UNIT
06576 LECT-DISC ARR EDUC QUIGLEY

SP ED 320 SPECIAL EDUCATION OF THE DEAF, II.
PREREQUISITE--SP. ED. 319.
5 HOURS, OR 1 TO 2 UNITS
06577 PRACT ARR

SP ED 322 PSYCHOLOGY AND EDUCATION OF THE MENTALLY HANDICAPPED, I.
PREREQUISITE--EL. ED. 231, SENIOR STANDING.
3 HOURS, OR 1/2 UNIT
06578 LECT-DISC 3 M W F 166 EDUC HURLEY

SP ED 323 PSYCHOLOGY AND EDUCATION OF THE MENTALLY HANDICAPPED, II.
PREREQUISITE--SP. ED. 322.
3 HOURS, OR 1/2 UNIT
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
06579 LECT-DISC *1-3 M W F 28 EDUC JORDAN

SP ED 324 MENTAL AND EDUCATIONAL MEASUREMENT OF EXCEPTIONAL CHILDREN.
PREREQUISITE--SP. ED. 117, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.
06580 LECT-DISC *3-5 MTUWTH 42 EDUC

SP ED 416 PROBLEMS IN MENTAL DEFICIENCY.
PREREQUISITE--SP. ED. 322 OR CONSENT OF INSTRUCTOR.
1 UNIT

06581	LECT-DISC	10-12	M	26	EDUC	GALLAGHER

SP ED 417 PSYCHO-EDUCATIONAL PROBLEMS OF EXCEPTIONAL CHILDREN.
PREREQUISITE--SIXTEEN HOURS OF PSYCHOLOGY AND/OR EDUCATION, OR CONSENT OF INSTRUCTOR.
1 UNIT

06582	LECT-DISC	7-9PM	M	166	EDUC	HENDERSON

SP ED 420 THE SOCIAL PSYCHOLOGY OF THE HANDICAPPED.
PREREQUISITE--SP. ED. 117 OR 417, AND ED. PSY. 312, OR CONSENT OF INSTRUCTOR.
1 UNIT

06583	LECT-DISC	3-5	M	389	EDUC	

SP ED 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL CONSENT OF THE DEAN.
*1/2 OR 1 UNIT

06584	CONF	ARR			EDUC	GRADUATE STA

SP ED 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.
1 TO 2 UNITS

06585	CONF	ARR			EDUC	GALLAGHER

SP ED 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS

06586	CONF	ARR			EDUC	GRADUATE STA

SP ED 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS

06587	CONF	ARR			EDUC	GRADUATE STA

SPEECH AND THEATRE

DEPARTMENT OFFICE 133 L H

MAJOR--TWENTY HOURS IN SPEECH IN ADDITION TO SPCH. 101, 105, AND 141. AT LEAST FIVE OF THE TWENTY HOURS MUST BE IN COURSES NUMBERED 300 OR HIGHER, SPCH. 301 MUST BE INCLUDED. IN DECLARING A MAJOR IN SPEECH THE STUDENT MAY CHOOSE ONE OF THESE AREAS FOR EMPHASIS--GENERAL SPEECH, PUBLIC ADDRESS, INTERPRETATION, THEATRE, SPEECH SCIENCE AND PHONETICS, SPEECH CORRECTION AND AUDIOLOGY. THE STUDENT SHOULD REPORT TO 133 LINCOLN HALL TO BE ASSIGNED AN AREA ADVISOR WITH WHOM HE MAY CONFER CONCERNING REQUIRED AND RECOMMENDED COURSES.

MINORS--TWENTY HOURS IN ONE OR TWO COLLEGE OF LIBERAL ARTS AND SCIENCES DEPARTMENTS OR IN INTERDEPARTMENTAL PROGRAMS APPROVED BY THE COLLEGE. MINOR PROGRAMS OUTSIDE THE COLLEGE OF LIBERAL ARTS AND SCIENCES MAY BE ARRANGED WITH THE APPROVAL OF THE STUDENTS MAJOR ADVISER AND HIS DEPARTMENT HEAD. IF TWO MINOR SUBJECTS ARE CHOSEN, AT LEAST EIGHT HOURS MUST BE INCLUDED IN EACH. A MINOR PROGRAM IN ENGLISH MAY NOT INCLUDE MORE THAN THREE HOURS IN LITERATURE COURSES OPEN TO FRESHMEN AND SOPHOMORES AND MAY NOT INCLUDE RHET. 101, 102, 151, 271, AND 272. NO LANGUAGE COURSES MAY SATISFY THE MINOR REQUIREMENTS IF THEY ARE EXCLUDED FROM THE MAJORS OF THE LANGUAGE DEPARTMENTS.

TWO TEACHER-TRAINING CURRICULA ARE OFFERED IN SPEECH. SEE THE CURRICULUM PREPARATORY TO SPEECH CORRECTION WORK AND THE CURRICULUM PREPARATORY TO THE TEACHING OF SPEECH.

SPCH 101 PRINCIPLES OF EFFECTIVE SPEAKING.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
*3 HOURS
*SECTION &S1 IS RESERVED FOR SUPERIOR STUDENTS--INCLUDING JAMES SCHOLARS, BY DEPARTMENTAL PERMISSION.

06588	LECT-DISC	A1	8	M	W	F	140	L H	
06589	LECT-DISC	A2	8	M	W	F	262	ARMORY	
06590	LECT-DISC	A3	8	M	W	F	130	L H	
06591	LECT-DISC	A4	8	M	W	F	160	ARMORY	
06592	LECT-DISC	A5	8	M	W	F	132	L H	
06593	LECT-DISC	B1	9	M	W	F	49	L I R	
06594	LECT-DISC	B2	9	M	W	F	140	L H	
06595	LECT-DISC	B3	9	M	W	F	132	L H	
06596	LECT-DISC	B4	9	M	W	F	130	L H	
06597	LECT-DISC	B5	9	M	W	F	160	ARMORY	
06598	LECT-DISC	B6	9	M	W	F	242	M E B	
06599	LECT-DISC	B7	9	M	W	F	145	L H	
06600	LECT-DISC	C1	10	M	W	F	304	L H	
06601	LECT-DISC	C2	10	M	W	F	145	L H	
06602	LECT-DISC	C3	10	M	W	F	116	L H	
06603	LECT-DISC	C4	10	M	W	F	130	L H	
06604	LECT-DISC	C5	10	M	W	F	242	M E B	
06605	LECT-DISC	D1	11	M	W	F	130	L H	
06606	LECT-DISC	D2	11	M	W	F	49	L I R	
06607	LECT-DISC	D3	11	M	W	F	116	L H	
06608	LECT-DISC	D4	11	M	W	F	132	L H	
06609	LECT-DISC	D5	11	M	W	F	242	M E B	
06610	LECT-DISC	D6	11	M	W	F	140	L H	
06611	LECT-DISC	X1	12	M	W	F	140	L H	
06612	LECT-DISC	X2	12	M	W	F	304	L H	
06613	LECT-DISC	X3	12	M	W	F	262	ARMORY	
06614	LECT-DISC	X4	12	M	W	F	145	L H	
06615	LECT-DISC	X5	12	M	W	F	255	ARMORY	
06616	LECT-DISC	E1	1	M	W	F	255	ARMORY	
06617	LECT-DISC	E2	1	M	W	F	116	L H	
06618	LECT-DISC	E3	1	M	W	F	130	L H	
06619	LECT-DISC	E4	1	M	W	F	140	L H	
06640	LECT-DISC	*&S1	2	M	W	F	132	L H	
06620	LECT-DISC	F1	2	M	W	F	242	M E B	
06621	LECT-DISC	F2	2	M	W	F	145	L H	
06622	LECT-DISC	F3	2	M	W	F	49	L I R	
06623	LECT-DISC	F4	2	M	W	F	140	L H	
06624	LECT-DISC	G1	3	M	W	F	145	L H	
06625	LECT-DISC	G2	3	M	W	F	130	L H	
06626	LECT-DISC	G3	3	M	W	F	132	L H	
06627	LECT-DISC	G4	3	M	W	F	262	ARMORY	
06628	LECT-DISC	H1	4	M	W	F	132	L H	
06629	LECT-DISC	H2	4	M	W	F	130	L H	
06630	LECT-DISC	K1	8-930	TU	TH		132	L H	
06631	LECT-DISC	K2	8	TU			130	L H	
		K2	8-10		TH		130	L H	
06632	LECT-DISC	L1	9-11	TU			130	L H	
		L1	10		TH		130	L H	
06633	LECT-DISC	L2	9	TU			145	L H	
		L2	8-10		TH		145	L H	
06634	LECT-DISC	M1	10-1130	TU	TH		262	ARMORY	
06635	LECT-DISC	M2	10	TU			132	L H	
		M2	10-12		TH		132	L H	
06636	LECT-DISC	P1	1-230	TU	TH		242	M E B	
06637	LECT-DISC	P2	1-230	TU	TH		49	L I R	
06638	LECT-DISC	R1	2-330	TU	TH		130	L H	
06639	LECT-DISC	R2	2-330	TU	TH		132	L H	

SPCH 105 VOICE AND ARTICULATION.

*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 1 HOUR CREDIT.
*2 HOURS

06641	LECT	1	11	M			304	L H	PADEN
06642	LECT	2	10	TU			304	L H	PADEN
06643	DISC	A	8		W	F	145	L H	
06644	DISC	D	11		W	F	145	L H	
06645	DISC	E	1		W	F	145	L H	
06646	DISC	P	1	TU	TH		145	L H	
06647	DISC	R	2	TU	TH		145	L H	

SPCH 107 PARLIAMENTARY PROCEDURE.

2 HOURS

06648	LECT-DISC	L	9	TU	TH		255	ARMORY	MURPHY
06649	LECT-DISC	R	2	TU	TH		255	ARMORY	

SPCH 109 INTRODUCTION TO PHYSIOLOGICAL PHONETICS.
PREREQUISITE--SOPHOMORE STANDING.
3 HOURS

06650	LECT-DISC	E	1	M W F	242	M E B		PADEN

SPCH 111 BUSINESS AND PROFESSIONAL SPEAKING.
PREREQUISITE--SPCH. 101.
2 HOURS

06651	LECT-DISC	K	8	TU TH	255	ARMORY		OLSON
06652	LECT-DISC	L	9	TU TH	262	ARMORY		OLSON
06653	LECT-DISC	M	10	TU TH	255	ARMORY		OLSON

SPCH 113 GROUP DISCUSSION AND CONFERENCE LEADERSHIP.
PREREQUISITE--SOPHOMORE STANDING. BY PERMISSION OF
THE HEAD OF THE DEPARTMENT THE PREREQUISITE MAY BE WAIVED FOR
SUPERIOR STUDENTS, INCLUDING JAMES SCHOLARS.
3 HOURS

06654	LECT-DISC	C	10	M W F	255	ARMORY		WENZEL
06655	LECT-DISC	D	11	M W F	255	ARMORY		SCHEIDEL

SPCH 121 ADVANCED PUBLIC SPEAKING--THE LOGICAL BASES OF DISCOURSE.
PREREQUISITE--SPCH. 101, SOPHOMORE STANDING. BY PERMISSION OF THE
HEAD OF THE DEPARTMENT THE PREREQUISITE MAY BE WAIVED FOR SUPERIOR
STUDENTS, INCLUDING JAMES SCHOLARS.
3 HOURS

06656	LECT-DISC	B	9	M W F	255	ARMORY		WENZEL
06657	LECT-DISC	F	2	M W F	255	ARMORY		

SPCH 141 . ORAL INTERPRETATION.
•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 2 HOURS CREDIT.
•3 HOURS
•SECTION &S IS RESERVED FOR SUPERIOR STUDENTS--INCLUDING JAMES
SCHOLARS, BY DEPARTMENTAL PERMISSION.

06658	LECT-DISC	A1	[illegible]	M W F	49	L I R		
06659	LECT-DISC	A2	[illegible]	M W F	116	L H		
06660	LECT-DISC	[illegible]	9	M W F	208	E B		
06661	LECT-DISC	C1	10	M W F	49	L I R		
06662	LECT-DISC	C2	10	M W F	262	ARMORY		
06663	LECT-DISC	D	11	M W F	208	E [illegible]		
06664	LECT-DISC	X1	12	M W F	130	L H		
06665	LECT-DISC	X2	12	M W F	132	L H		
06666	LECT-DISC	E1	1	M W F	132	L H		
06667	LECT-DISC	E2	1	M W F	49	L I R		
06671	LECT-DISC	•&S	2	M W F	208	E B		
06668	LECT-DISC	G	3	M W F	140	L H		
06669	LECT-DISC	M1	10	TU	49	L I R		
		M1	10-12	TH	49	L I R		
06670	LECT-DISC	M2	10-12	TU	145	L H		
		M2	10	TH	145	L H		

SPCH 151 RECREATIONAL DRAMATICS.
PREREQUISITE--SOPHOMORE STANDING.
•CREDIT IS NOT GIVEN FOR BOTH SPCH. 151 AND 203.
•3 HOURS

06672	LECT-DISC	M	10-12	TU TH	L H THEATRE			TYMCHYSHYN

SPCH 157 ELEMENTS OF STAGECRAFT.
4 HOURS

06673	LECT-DISC	P	1-3	TU TH	L H THEATRE			BILLINGS

SPCH 161 FUNDAMENTALS OF ACTING.
PREREQUISITE--SPCH. 141.
3 HOURS

06674	LECT-DISC	C	10	M W F	160	ARMORY		HERSTAND
06675	LECT-DISC	E	1	M W F	160	ARMORY		ARBENZ
06676	LECT-DISC	P	1-230	TU TH	160	ARMORY		HERSTAND

SPCH 164 RADIO SPEAKING.
3 HOURS

06677	LECT-DISC	A	8-10	W	233	G H		WINDESHEIM
		A	8-10	F	336	G H		
06678	LECT-DISC	P	1-3	TU TH	262	ARMORY		WINDESHEIM

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SPCH  177     THE ARTS OF PUBLIC DISCOURSE.
        4 HOURS
      06679   LECT-DISC  E       1         M  W  F   304  L H            STAFF
      06680   QUIZ       P1      1          TU        304  L H            MURPHY
      06681   QUIZ       P2      1             TH     304  L H            WALLACE


                          COURSES FOR ADVANCED UNDERGRADUATES


SPCH  204     SPEECH FOR TEACHERS.
        3 HOURS
      06682   LECT-DISC  L       9-11      TU        116  L H            INCE
                         L       9            TH     116  L H


SPCH  208     CLASSROOM PROBLEMS IN SPEECH CORRECTION.
        PREREQUISITE--JUNIOR STANDING.
        3 HOURS
      06683   LECT-DISC  B       9         M  W  F   304  L H            GOOD


SPCH  221     ADVANCED PUBLIC SPEAKING--THE PSYCHOLOGICAL BASES OF DISCOURSE.
        PREREQUISITE--SPCH. 101 AND JUNIOR STANDING.
        3 HOURS
      06684   LECT-DISC  C      10         M  W  F   132  L H            NICHOLS
      06685   LECT-DISC  F       2         M  W  F   262  ARMORY


SPCH  243     ORAL INTERPRETATION OF SHAKESPEARE.
        PREREQUISITE--SPCH. 141, JUNIOR STANDING.
        2 HOURS
      06686   LECT-DISC  R       2          TU TH    304  L H            LONG


SPCH  247     TEACHING OF SPEECH.
              SAME AS SE. ED. 247.
        PREREQUISITE--SENIOR STANDING, 3.5 GRADE AVERAGE.
        5 HOURS
      06687   LECT-DISC  F       2-4       MTUWTHF   116  L H            BURNS


SPCH  248     SPEECH CORRECTION METHODS IN THE SCHOOLS.
              SAME AS EL. ED. 248.
        PREREQUISITE--SPCH. 388.
        3 HOURS
      06688   LECT-DISC  N      11          TU        106  SP CLINIC      JOHNSON
                         N      10-12          TH     106  SP CLINIC


SPCH  255     FUNDAMENTALS OF PLAY DIRECTING.
        PREREQUISITE--SPCH. 161 OR EQUIVALENT.
        3 HOURS
      06689   LECT-DISC  P       1-230     TU TH     112  G H            BEHRINGER


SPCH  291     HONORS COURSE.
        PREREQUISITE--SENIOR STANDING, A GRADE-POINT AVERAGE OF 4.0 OR
        CONSENT OF HEAD OF DEPARTMENT.
        *STUDENTS MAY ACCUMULATE 4 HOURS.
        *2 HOURS
      06690   CONF       &A   ARR                                          STAFF


SPCH  293     INDIVIDUAL TOPICS.
        PREREQUISITE--TEN HOURS OF SPEECH, GRADE-POINT AVERAGE OF 3.75,
        CONSENT OF HEAD OF DEPARTMENT.
        *STUDENTS MAY ACCUMULATE 4 HOURS.
        *2 HOURS
      06691   CONF             ARR                                         STAFF
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SPCH  301      GENERAL PHONETICS.
               SAME AS LING. 301.
     PREREQUISITE--JUNIOR STANDING.
     3 HOURS, OR 1/2 OR 1 UNIT
    06692   LECT-DISC          9          TU TH    304  L H
    06693   QUIZ        A      8            W      330  I H
    06694   QUIZ        C     10            W      330  I H
    06695   QUIZ        C      1            W      330  I H
    06696   QUIZ        G      3            W      330  I H

SPCH  308      THE ART OF THE SCREEN--EXPOSITION AND PERSUASION.
               SAME AS COMM. 308.
     PREREQUISITE--SPCH. 307 OR CONSENT OF INSTRUCTOR.
     3 HOURS, OR 1/2 UNIT
    06697   LECT-DISC  G       3          M  W     304  L H            MUELLER
                       G       3-5            F    304  L H

SPCH  312      AMERICAN PUBLIC ADDRESS.
     3 HOURS, OR 1/2 OR 1 UNIT
    06698   LECT-DISC  F       2          M  W  F  130  L H            BROADRICK

SPCH  342      ORAL INTERPRETATION OF POETRY.
     PREREQUISITE--SPCH. 141.
     3 HOURS, OR 1/2 OR 1 UNIT
    06699   LECT-DISC  E       1          M  W  F  262  ARMORY

SPCH  345      CONTEMPORARY APPROACHES TO ORAL INTERPRETATION.
     PREREQUISITE--SPCH. 141 OR CONSENT OF INSTRUCTOR.
     3 HOURS, OR 1/2 OR 1 UNIT
    06700   LECT-DISC  D      11          M  W  F  262  ARMORY          SLOAN

    06701   LECT-DISC  F       2          M  W  F  160  ARMORY          ARBENZ

SPCH  354      THEATRE FOR THE CHILD AUDIENCE.
     PREREQUISITE--CONSENT OF INSTRUCTOR.
     3 HOURS, OR 1/2 OR 1 UNIT
    06702   LECT-DISC  D      11          M  W  F  160  ARMORY          TYMCHYSHYN

SPCH  362      HISTORY OF THE EUROPEAN THEATRE FROM THE RENAISSANCE TO 1900.
     3 HOURS, OR 1/2 OR 1 UNIT
    06703   LECT-DISC  M      10-1130     TU TH    140  L H            BEHRINGER

SPCH  366      DEVELOPMENT OF THE AMERICAN THEATRE.
     3 HOURS, OR 1/2 OR 1 UNIT
    06704   LECT-DISC  B       9          M  W  F  116  L H            HEWITT

SPCH  368      HISTORY OF THEATRE COSTUME.
     PREREQUISITE--SPCH. 361 AND 362, OR CONSENT OF INSTRUCTOR.
     3 HOURS, OR 1/2 OR 1 UNIT
    06705   LECT-DISC  C      10          M  W  F  121  L H            RICHARDSON

SPCH  370      STAGE SCENERY DESIGN.
     PREREQUISITE--SPCH. 157 AND TWO OF THE FOLLOWING--SPCH. 255,
     352, 361, 362, OR CONSENT OF INSTRUCTOR.
     3 HOURS, OR 1/2 OR 1 UNIT
    06706   LECT-DISC  K     830-10       TU TH    121  L H            WORKS

SPCH  372      HISTORY AND PRINCIPLES OF LITERARY AND RHETORICAL CRITICISM--
               SIDNEY TO THE PRESENT.
               SAME AS ENGL. 372.
     PREREQUISITE--SENIOR STANDING.
     3 HOURS, OR 1/2 OR 1 UNIT
    06707   LECT-DISC  G       3          M  W  F  223  E B            HERRICK

SPCH  376      SPEECH SCIENCE, II.
               SAME AS LING. 376.
     PREREQUISITE--SPCH. 375 OR CONSENT OF INSTRUCTOR.
     3 HOURS, OR 1/2 UNIT
    06708   LECT-DISC  F       2          M  W  F  304  L H            ZEMLIN
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SPCH 383 DEVELOPMENT OF SPOKEN LANGUAGE.
PREREQUISITE--SENIOR STANDING AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06709 LECT-DISC C 11 MTUWTH 106 SP CLINIC NASCA

SPCH 386 BASIC DIAGNOSTIC AND THERAPEUTIC PRINCIPLES OF SPEECH CORRECTION.
PREREQUISITE--SPCH. 385 AND CREDIT OR REGISTRATION IN 388.
3 HOURS, OR 1/2 UNIT
06710 LECT-DISC R 2-330 TU TH 106 SP CLINIC PETERSON

SPCH 388 SPEECH CORRECTION.
PREREQUISITE--SPCH. 385.
3 HOURS, OR 1/2 OR 1 UNIT
06711 LECT-DISC B 9 M W F 104 SP CLINIC

SPCH 393 AURAL REHABILITATION.
REQUIRED IN THE CURRICULUM OF TEACHER TRAINING IN SPEECH CORRECTION.
PREREQUISITE--SPCH. 391, A GRADE-POINT AVERAGE OF AT LEAST 3.5 AND CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
*LABORATORY PERIOD TO BE ARRANGED.
06712 LECT-DISC C 10 M W F 106 SP CLINIC NASCA

SPCH 395 AUDIOMETRY AND THE USE OF HEARING AIDS.
PREREQUISITE--SPCH. 376.
3 HOURS, OR 1/2 OR 1 UNIT
*LABORATORY PERIOD TO BE ARRANGED.
06713 LECT-DISC D 11 M W F 104 SP CLINIC STARK

SPCH 396 DIFFERENTIAL DIAGNOSIS OF HEARING DISORDERS IN YOUNG CHILDREN.
PREREQUISITE--SPCH. 391, 395, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 OR 1 UNIT
06714 LECT-DISC A 8-11 F 324 I H STARK

SPCH 397 MEASUREMENT OF AUDITORY PERCEPTION.
PREREQUISITE--SPCH. 391.
3 HOURS, OR 1/2 OR 1 UNIT
06715 LECT-DISC J 7-9PM M 106 SP CLINIC O NEILL

SPCH 398 PRACTICUM IN AUDIOLOGY.
PREREQUISITE--SPCH. 393.
*STUDENTS MAY REPEAT EITHER SPCH. 387 OR 398, BUT NOT BOTH, FOR 3 CREDIT HOURS.
*3 HOURS, OR 1/2 UNIT
06716 LECT-DISC ARR GOOD

COURSES FOR GRADUATES

SPCH 412 THE ROMAN TRADITION IN RHETORIC AND ORATORY.
1 UNIT
06717 LECT-DISC ARR DIETER

SPCH 430 CONTEMPORARY THEORIES OF ORAL COMMUNICATION.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
06718 LECT-DISC ARR SCHEIDEL

SPCH 436 SEMINAR IN PUBLIC DISCUSSION.
1 UNIT
06719 LECT-DISC ARR MURPHY

SPCH 438 SEMINAR IN RHETORICAL THEORY.
1 UNIT
06720 LECT-DISC ARR WALLACE

SPCH 442 SEMINAR IN ORAL INTERPRETATION.
PREREQUISITE--SPCH. 441, CONSENT OF INSTRUCTOR.
1 UNIT
06721 LECT-DISC ARR SLOAN

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        06722   LECT-DISC       ARR                                     SHATTUCK

        06723   LECT-DISC  E       1         M  W  F   329  ARMORY      HEWITT

SPCH  468     SEMINAR IN THEATRE HISTORY.
         *STUDENTS MAY ACCUMULATE TWO UNITS.
         *1 UNIT
        06724   LECT-DISC          1-230     TU TH    140  L H         SCOTT

SPCH  476     EXPERIMENTAL PHONETICS, II.
              SAME AS LING. 476.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1 UNIT
        06725   LECT-DISC       ARR                                     ZEMLIN

SPCH  486     ADVANCED CLINICAL TECHNIQUES IN SPEECH AND HEARING.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1/2 TO 4 UNITS
        06726   LECT-DISC       ARR                                     O NEILL AND
                                                                        STAFF

SPCH  489     SEMINAR IN ORGANIC SPEECH DISORDERS.
         PREREQUISITE--CONSENT OF INSTRUCTOR.
         1 UNIT
        06727   LECT-DISC       ARR

SPCH  495     SPECIAL PROBLEMS.
         PREREQUISITE--CONSENT OF THE HEAD OF THE DEPARTMENT.
         *OPEN TO MASTERS CANDIDATES FOR ONE UNIT, TO DOCTORS CANDIDATES FOR
         ONE OR TWO UNITS.
         *1 OR 2 UNITS
        06728   CONF             ARR                                     STAFF

SPCH  499     THESIS RESEARCH.
         0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS
                                                DIETER, GULLEY,
                                                HEWITT, MURPHY,
                                                NICHOLS, ONEILL,
                                                SCOTT, SHATTUCK,
                                                WALLACE, WINDESHEIM
        06729   CONF             ARR
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THEORETICAL AND APPLIED MECHANICS

DEPARTMENT OFFICE 212 T L

COURSES FOR UNDERGRADUATES

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T A M 150     ANALYTICAL MECHANICS--STATICS.
         PREREQUISITE--PHYCS. 101 OR 106.  REGISTRATION IN MATH. 142 OR
         143.
         2 HOURS
        06730   LECT-DISC  A       8         TU TH    102  WOODSHOP
        06731   LECT-DISC  P       8         TU TH    310  T L
        06732   LECT-DISC  T       8         TU TH    313  T L
        06733   LECT-DISC  J       9         TU TH    313  T L
        06734   LECT-DISC  Q       1         TU TH    302F T L
        06735   LECT-DISC  CH      2         TU TH    310  T L
        06736   LECT-DISC  B       4         TU TH    313  T L

T A M 152     ENGINEERING MECHANICS, I--STATICS.
         PREREQUISITE--PHYCS. 106 AND REGISTRATION IN MATH. 142 OR 143.
         3 HOURS
        06737   LECT-DISC  E       8         M  W  F   313  T L
        06738   LECT-DISC  F      10         M  W  F   102  WOODSHOP
        06739   LECT-DISC  G       3         M  W  F   313  T L
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T A M 154 ANALYTICAL MECHANICS--STATICS AND DYNAMICS.
PREREQUISITE--PHYCS. 101 OR 106. REGISTRATION IN MATH. 142 OR 143.
4 HOURS

06740	LECT-DISC	K1	8	MTU THF	167	E	E	B
06741	LECT-DISC	L	9	MTU THF	167	E	E	B
06742	LECT-DISC	M	10	MTU THF	167	E	E	B
06743	LECT-DISC	X	11	MTU THF	167	E	E	B
06744	LECT-DISC	N	1	MTU THF	167	E	E	B
06745	LECT-DISC	Y1	2	MTU THF	167	E	E	B
06746	LECT-DISC	K2	3	MTU THF	133	E	E	B
06747	LECT-DISC	Y2	4	MTU THF	306B	T	L	

T A M 156 ANALYTICAL MECHANICS--STATICS AND DYNAMICS.
PREREQUISITE--PHYCS. 101 OR 106. REGISTRATION IN MATH. 142 OR 143.
5 HOURS

06748	LECT-DISC	V	8	MTUWTHF	302F	T	L
06749	LECT-DISC	P	9	MTUWTHF	302F	T	L
06750	LECT-DISC	W	2	MTUWTHF	302F	T	L

T A M 171 ELEMENTS OF MECHANICS.
FOR NON-ENGINEERING STUDENTS WHO DO NOT TAKE CALCULUS.
PREREQUISITE--MATH. 122.
3 HOURS

06751	LECT-DISC	A	8	M	W	F	305	T L
06752	LECT-DISC	B	9	M	W	F	306B	T L
06753	LECT-DISC	C	11	M	W	F	306B	T L
06754	LECT-DISC	D	4	M	W	F	305	T L

T A M 172 STRENGTH OF MATERIALS.
PREREQUISITE--T A M 171.
3 HOURS

06755	LECT-DISC	A	11	M	W	F	302F	T L
06756	LECT-DISC	B	1	M	W	F	313	T L
06757	LECT-DISC	C	2	M	W	F	310	T L
06758	LECT-DISC	D	3	M	W	F	102	WOODSHOP

COURSES FOR ADVANCED UNDERGRADUATES

T A M 211 ANALYTICAL MECHANICS--DYNAMICS.
PREREQUISITE--T.A.M. 150 OR EQUIVALENT. MATH. 142 OR 143.
3 HOURS

06759	LECT-DISC	P	8	M	W	F	104	WOODSHOP
06760	LECT-DISC	J	9	M	W	F	104	WOODSHOP
06761	LECT-DISC	T	10	M	W	F	310	T L
06762	LECT-DISC	A	1	M	W	F	302F	T L
06763	LECT-DISC	Q	2	M	W	F	104	WOODSHOP
06764	LECT-DISC	J2	3	M	W	F	104	WOODSHOP
06765	LECT-DISC	R	3	M	W	F	101	WOODSHOP

T A M 212 ENGINEERING MECHANICS, II--DYNAMICS.
PREREQUISITE--PHYCS. 107, T.A.M. 152, MATH. 143.
3 HOURS

06766	LECT-DISC	G	8-920	TU	TH		306B	T L
06767	LECT-DISC	Z	9	M	W	F	313	T L
06768	LECT-DISC	E	11	M	W	F	313	T L
06769	LECT-DISC	F	1	M	W	F	310	T L

T A M 221 ELEMENTARY MECHANICS OF DEFORMABLE BODIES.
PREREQUISITE--T.A.M. 150 OR EQUIVALENT. MATH. 142 OR 143.
3 HOURS

06770	LECT-DISC	P	8	M	W	F	310	T	L
06771	LECT-DISC	V	8	M	W	F	306B	T	L
06772	LECT-DISC	E	10	M	W	F	104	WOODSHOP	
06773	LECT-DISC	J	10	M	W	F	306B	T	L
06774	LECT-DISC	Z	10	M	W	F	313	T	L
06775	LECT-DISC	A	11	M	W	F	101	WOODSHOP	
06776	LECT-DISC	Q	11	M	W	F	104	WOODSHOP	
06777	LECT-DISC	T	11	M	W	F	102	WOODSHOP	
06778	LECT-DISC	S	1	M	W	F	104	WOODSHOP	
06779	LECT-DISC	X	1	M	W	F	102	WOODSHOP	
06780	LECT-DISC	E	2	M	W	F	102	WOODSHOP	
06781	LECT-DISC	F	2	M	W	F	313	T	L
06782	LECT-DISC	R	2	M	W	F	305	T	L
06783	LECT-DISC	W	2	M	W	F	101	WOODSHOP	
06784	LECT-DISC	CH	3	M	W	F	310	T	L
06785	LECT-DISC	G	930-11	TU TH			306B	T	L

T A M 223 MECHANICAL BEHAVIOR OF SOLIDS.
PREREQUISITE--REGISTRATION IN T.A.M. 221.
1 HOUR
*REGISTRATION IN SECTION A AND SECTION P BY
SPECIAL PERMISSION.

06794	LAB	*A	1-3	M	225	T	L	
06786	LAB	V1	3-5	TU	236	M	E	B
06787	LAB	V2	3-5	TU	238	M	E	B
06788	LAB	V3	3-5	TU	242	M	E	B
06789	LAB	V4	3-5	TU	244	M	E	B
06790	LAB	V5	3-5	TU	248	M	E	B
06791	LAB	V6	3-5	TU	252	M	E	B
06792	LAB	V7	3-5	TU	256	M	E	B
06793	LAB	V8	3-5	TU	260	M	E	B
06795	LAB	*P	10-12	TH	225	T	L	

T A M 224 BEHAVIOR OF MATERIALS.
PREREQUISITE--T.A.M. 221.
3 HOURS

06796	LECT-DISC	E	8	M	W	F	225A	T	L
06797	LECT-DISC	G	10	M	W	F	225A	T	L
06798	LECT-DISC	J	11	M	W	F	225A	T	L
06799	LECT-DISC	F	2	M	W	F	225A	T	L

T A M 234 FLUID MECHANICS LABORATORY.
PREREQUISITE--T.A.M. 232 OR EQUIVALENT.
1 HOUR

06800	LAB	H	1-3	TH	126	T	L	

T A M 235 FLUID MECHANICS.
PREREQUISITE--T.A.M. 211 OR 212.
4 HOURS

06801	LECT-DISC	G	9	M	W	F	305	T	L
		G	3-5	TH			126	T	L
06802	LECT-DISC	T	10	M	W	F	305	T	L
		T	10-12	TU			126	T	L
06803	LECT-DISC	F	11	M	W	F	305	T	L
		F	10-12	TH			126	T	L
06804	LECT-DISC	J	1	M	W	F	305	T	L
		J	3-5	TU			126	T	L
06805	LECT-DISC	E	3	M	W	F	305	T	L
		E	1-3	TU			126	T	L

T A M 294 RESEARCH, DEVELOPMENT AND DESIGN, II.
PREREQUISITE--T.A.M. 293.
3 HOURS

06806	LECT-DISC	Z	1-3	TU TH	225A	T	L
06807	CONF	&A	ARR				
06808	CONF	&A	ARR				

T A M 299 THESIS.
PREREQUISITE--SENIOR STANDING, APPROVAL OF HEAD OF DEPARTMENT.
3 HOURS

06809	CONF	&A	ARR

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

T A M 311 MECHANICAL VIBRATIONS.
PREREQUISITE--T A M 154 OR 156 OR 211 AND 221.
3 HOURS, OR 1/2 OR 1 UNIT
06810 LECT-DISC Z 1 M W F 306B T L

T A M 314 ADVANCED DYNAMICS FOR ENGINEERS.
PREREQUISITE--T.A.M. 211 OR EQUIVALENT, MATH. 341 OR 345.
3 HOURS, OR 1 UNIT
06811 LECT-DISC Z 11 M W F 310 T L

T A M 315 ADVANCED DYNAMICS WITH APPLICATIONS TO ENGINEERING PROBLEMS.
PREREQUISITE--T A M 314 OR EQUIVALENT.
3 HOURS, OR 1 UNIT
06812 LECT-DISC Z 8 M W F 102 WOODSHOP

T A M 321 ADVANCED MECHANICS OF DEFORMABLE BODIES.
PREREQUISITE--T A M 221 AND 223 OR 224.
3 HOURS, OR 1/2 OR 1 UNIT
06813 LECT-DISC P 2 M W F 306B T L
06814 LECT-DISC Z 3 M W F 306B T L

T A M 326 EXPERIMENTAL STRESS ANALYSIS.
PREREQUISITE--T A M 150, 211, 221, AND 223 OR 224.
3 HOURS, OR 1/2 OR 1 UNIT
06815 LAB-DISC Z 10-12 TU TH 302C T L

T A M 334 FLUID MECHANICS AND ADVANCED HYDRAULICS.
PREREQUISITE--T.A.M. 235.
3 HOURS, OR 1/2 OR 1 UNIT
06816 LECT-DISC E 10 M W F 302C T L

T A M 335 DYNAMICS OF FLUIDS.
PREREQUISITE--T.A.M. 235.
3 HOURS, OR 3/4 OR 1 UNIT
06817 LECT-DISC Z 10 M W F 302F T L

T A M 392 ANALYSIS AND SYNTHESIS OF PROBLEMS.
PREREQUISITE--SENIOR STANDING IN ENGINEERING MECHANICS.
3 HOURS, OR 1/2 OR 1 UNIT
06818 LECT-DISC Z 9 M W F 225A T L

COURSES FOR GRADUATES

T A M 400 SEMINAR IN ENGINEERING MECHANICS.
1/4 UNIT
06819 LECT-DISC ARR

T A M 412 VIBRATION ANALYSIS.
PREREQUISITE--T.A.M. 311 OR EQUIVALENT.
1 UNIT
06820 LECT-DISC 1-220 TU TH 306B T L JONES

T A M 424 PROPERTIES OF ENGINEERING MATERIALS.
1/2 OR 1 UNIT
06821 LECT-DISC 8-920 TU TH 225A T L CORTEN

T A M 426 STRESS AND DEFORMATION IN ENGINEERING COMPONENTS.
PREREQUISITE--T A M 321 OR EQUIVALENT.
1/2 TO 1 UNIT
06822 LECT-DISC 1 M W F 225A T L SMITH

T A M 432 THEORY OF FLOW OF VISCOUS FLUIDS.
PREREQUISITE--AN ELEMENTARY COURSE IN FLUID FLOW AND DIFFERENTIAL EQUATIONS.
1 UNIT
06823 LECT-DISC 8-10 TU TH 305 T L ROBERTSON

T A M 442 APPLIED ANALYSIS IN ENGINEERING, II.
PREREQUISITE--MATH. 143.
1 UNIT

06824	LECT-DISC	1-3	TU TH	313	T L	COSTELLO

T A M 451 THEORY OF ELASTICITY WITH APPLICATION TO ENGINEERING PROBLEMS, I.
PREREQUISITE--MATH 343, 341 OR EQUIVALENT.
1 UNIT

06825	LECT-DISC	10-12	TU TH	302F	T L	MILLER

T A M 452 THEORY OF ELASTICITY WITH APPLICATION TO ENGINEERING PROBLEMS, II.
PREREQUISITE--T.A.M. 451.
1 UNIT

06826	LECT-DISC	9	M W F	310	T L	BORESI

T A M 454 THEORY OF SHELLS.
PREREQUISITE--T.A.M. 451.
1 UNIT

06827	LECT-DISC	3	M W F	302F	T L	LANGHAAR

T A M 458 WAVE MOTION IN CONTINUOUS MEDIA.
PREREQUISITE--T.A.M. 311, 314, 451, MATH. 341, 342, 343, OR EQUIVALENT.
1 UNIT

06828	LECT-DISC	1	M W F	302C	T L	STIPPES

T A M 460 CONTINUUM MECHANICS.
PREREQUISITE--T. A. M. 351 OR EQUIVALENT.
1 UNIT

06829	LECT-DISC	10-12	TU TH	310	T L	STERN

T A M 462 THEORY OF PLASTICITY.
PREREQUISITE--T A M 451 OR EQUIVALENT.
1/2 OR 1 UNIT

06830	LECT-DISC	4	M W F	310	T L	SHOEMAKER

T A M 464 THEORY OF BUCKLING.
PREREQUISITE--T.A.M. 416 AND 451.
1/2 OR 1 UNIT

06831	LECT-DISC	2	M W F	302C	T L	COSTELLO LANGHAAR

T A M 467 THERMOMECHANICS IN NUCLEAR REACTOR SYSTEMS.
SAME AS NUC. E. 467.
PREREQUISITE--NUC. E. 401, 347, MATH. 342, 343 OR EQUIVALENT.
1 UNIT

06832	LECT-DISC	2	M W F	203	MET LAB	BORESI

T A M 493 ADVANCED INDEPENDENT STUDY--SPECIAL PROBLEMS.
1/2 TO 2 UNITS

06833	CONF	ARR	STAFF

T A M 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

06834	CONF	ARR	STAFF

DEPARTMENT OFFICE 265 M H

COURSES FOR UNDERGRADUATES

U P 171 PLANNING OF CITIES AND REGIONS.
3 HOURS

06835	LECT	9	M	W	F	62	K M	WETMORE

COURSES FOR ADVANCED UNDERGRADUATES

U P 236 URBAN PLANNING STUDIO, I.
PREREQUISITE--L.A. 131 OR CONSENT OF INSTRUCTOR.
5 HOURS

06836	LECT	9	M	W	F	316N	M H	STAFF
06836	LAB	8	M	W	F	200	M H	
		10-12	M	W	F	200	M H	

U P 260 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF HEAD OF DEPARTMENT.
2 TO 6 HOURS

06837	CONF	ARR	STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

U P 338 URBAN PLANNING STUDIO, III.
PREREQUISITE--U.P. 337 OR CONSENT OF INSTRUCTOR.
6 HOURS, OR 1 TO 1 1/2 UNITS
*ADDITIONAL HOURS TO BE ARRANGED

06838	LECT	1	M	W	F	316N	M H	KATZ
06838	LAB	*2-6	M	W	F	200	M H	KATZ

U P 378 PLANNING LEGISLATION AND ADMINISTRATION.
PREREQUISITE--POL. S. 150, 151 OR 305, 306, OR CONSENT OF INSTRUCTOR.
3 HOURS, OR 1/2 UNIT

06839	LECT-DISC	9	TU	TH	123	M H	GOODMAN
		10	TU		123	M H	GOODMAN

U P 380 SURVEY OF REGIONAL PLANNING.
PREREQUISITE--U.P. 171 OR CONSENT OF INSTRUCTOR.
3 HOURS OR 1/2 UNIT

06840	LECT-DISC	10		TH	123	M H	KEYES
		11	TU	TH	123	M H	KEYES

COURSES FOR GRADUATES

U P 487 SEMINAR.
PREREQUISITE--U.P. 374.
1/2 UNIT

06841	LECT-DISC	10-12		F	202	M H	STAFF

U P 488 URBAN PLANNING RESEARCH.
PREREQUISITE--U.P. 171 OR CONSENT OF INSTRUCTOR.
1/2 TO 2 UNITS

06842	CONF	ARR	STAFF

U P 499 THESIS RESEARCH.
PREREQUISITE--GRADUATE STANDING IN URBAN PLANNING.
1/2 TO 2 UNITS

06843	CONF	ARR	STAFF

VETERINARY ANATOMY AND HISTOLOGY

DEPARTMENT OFFICE 341 V M

PROFESSIONAL COURSES

V A H 302 GROSS ANATOMY.
PREREQUISITE--V.A.H. 300 AND 301 OR CONSENT OF INSTRUCTOR.
4 HOURS

06844	LECT-DISC	A	1-4	TU TH	350	V M	ST CLAIR
		A	9-12	S	350	V M	

V A H 303 MICROSCOPIC AND DEVELOPMENTAL ANATOMY.
PREREQUISITE--V.A.H. 300 AND 301 OR CONSENT OF INSTRUCTOR.
5 HOURS

06845	LECT	A	1	M W F	136	V M	SABANIE
06846	LAB	A1	8-10	M W F	334	V M	
06847	LAB	B1	2-4	M W F	334	V M	

V A H 304 APPLIED ANATOMY.
PREREQUISITE--REGISTRATION IN THE THIRD YEAR OF THE VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
2 HOURS

06848	LECT-DISC	A	1-4	W	350	V M	ST CLAIR

VETERINARY CLINICAL MEDICINE

DEPARTMENT OFFICE 103 S A C

PROFESSIONAL COURSES

V C M 363 BREEDING PROBLEMS AND OBSTETRICS.
PREREQUISITE--THIRD YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
5 HOURS

06849	LECT	A	9	MTUWTH	136	V M	EAGELMAN
06850	LAB	A1	9-11	F	V C L A		

V C M 364 DISEASES OF LARGE ANIMALS.
PREREQUISITE--THIRD YEAR STANDING IN VETERINARY CURRICULUM.
5 HOURS

06851	LECT	A	8	MTUWTHF	158	V M	BRODIE, HATCH

V C M 365 SPECIAL SURGERY.
PREREQUISITE--V.C.M. 361, THIRD YEAR STANDING IN VETERINARY CURRICULUM.
4 HOURS

06852	LECT	A	11	TU TH	158	V M	HELPER, HARDENBROOK
06853	LAB	A1	1-5	TU TH	V C S A		
06854	LAB	B1	1-5	TU TH	V C S A		

V C M 366 CLINICAL AND LABORATORY PRACTICE.
PREREQUISITE--THIRD YEAR STANDING IN VETERINARY CURRICULUM.
2 HOURS

06855	LAB	A	1-3	M F	V C L A		STAFF
		A	10-12	S	V C S A		

V C M 367 RADIOLOGY.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
2 HOURS

06856	LECT	A	10	W	253	V M	MAKSIC, MANNI
06856	LAB	A	8-10	S	V C S A		

V C M 372 VETERINARY JURISPRUDENCE AND ETHICS.
3 HOURS

06857	LECT	A	9	TU TH	156	V M	HANNAH, BULEY
		A	10	W	158	V M	

V C M 373 SEMINAR.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM.
1 HOUR

06858	DISC	A	10	M	150	V M	BULEY

V C M 374 CLINICAL AND LABORATORY PRACTICE.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM.
8 HOURS

06859	LECT	A	11	MTUWTHF	150	V M	STAFF
06859	LAB	A	1-5	MTUWTHF	V C S A		
		A	8-12	S V C S A			

VETERINARY MEDICAL SCIENCE

DEPARTMENT OFFICE 131 V M

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

V M S 302 GROSS ANATOMY.
PREREQUISITE--V.M.S. 300 OR CONSENT OF INSTRUCTOR.
1 UNIT

06860	LECT-DISC	A	1-4	TU TH	350	V M	ST CLAIR
		A	9-12	S	350	V M	

V M S 303 MICROSCOPIC AND DEVELOPMENTAL ANATOMY.
PREREQUISITE--V.M.S. 301 OR CONSENT OF INSTRUCTOR.
1 UNIT

06861	LECT	A	1	M W F	136	V M	SAFANIE
06862	LAB	A1	8-10	M W F	334	V M	
06863	LAB	B1	2-4	M W F	334	V M	

V M S 315 PHYSIOLOGY.
PREREQUISITE--COURSES TOTALING TWENTY SEMESTER HOURS IN CHEMISTRY OR ANIMAL BIOLOGY OR BOTH, CONSENT OF INSTRUCTOR.
3/4 UNIT

06864	LECT	A	8	TU TH	253	V M	LINK
06865	LAB	A1	9-12	TU	266	V M	
06866	LAB	B1	9-12	TH	266	V M	

V M S 317 PHYSIOLOGY.
PREREQUISITE--V.M.S. 316 OR CONSENT OF INSTRUCTOR.
3/4 UNIT

06867	LECT	A	9	TU TH	253	V M	LINK
06868	LAB	A1	1-5	TH	266	V M	
06869	LAB	B1	1-5	TU	266	V M	

V M S 318 PHARMACOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN V.M.S. 315 AND 316 AND CONSENT OF INSTRUCTOR.
1 UNIT

06870	LECT	A	1	M W F	253	V M	HUBER
06871	LAB	A1	2-5	F	266	V M	
06872	LAB	B1	9-12	F	266	V M	

V M S 325 RADIOISOTOPES IN BIOLOGICAL RESEARCH--PRINCIPLES AND PRACTICE.
PREREQUISITE--QUANTITATIVE CHEMISTRY, ONE YEAR EACH OF MATHEMATICS, PHYSICS, BIOLOGY AND/OR CONSENT OF INSTRUCTOR.
3/4 UNIT

06873	LECT	A	11	M W	253	V M	TWARDOCK
06873	LAB	A	ARR				

V M S 335 SPECIAL PATHOLOGY.
PREREQUISITE--V.M.S. 334 OR EQUIVALENT AND CONSENT OF INSTRUCTOR.
1 UNIT

06874	LECT	A	8	M W F	136	V M			SIMON
06875	LAB	A1	9-11	M W F	132	V M			
06876	LAB	B1	2-4	M W F	132	V M			

V M S 336 HELMINTH PARASITES.
PREREQUISITE--20 HOURS IN CHEMISTRY OR ANIMAL BIOLOGY OR BOTH. CONSENT OF INSTRUCTOR.
3/4 UNIT

06877	LECT	A	8	TU TH	136	V M			MARQUARDT
06878	LAB	A1	1-4	TU	168	V M			
06879	LAB	B1	1-4	TH	168	V M			

V M S 374 PROBLEMS IN HUMAN ECOLOGY.
SAME AS ANTH., GEOG., H. ED., PHYSL., PSYCH., AND SOC. 374.
PREREQUISITE--ANTH., GEOG., H. ED., PHYSL., SOC., V.M.S. OR ZOOL. 369.
4 HOURS OR 1 UNIT

06880	LECT-DISC	A	11	MTU THF	242	DEV HALL			LEVINE AND OTHERS

V M S 392 SPECIAL PROBLEMS.
PREREQUISITE--REGISTRATION IN VETERINARY CURRICULUM WITH GRADE POINT AVERAGE OF 3.5 OR ABOVE.
*STUDENTS MAY ACCUMULATE ONE UNIT.
*1/2 UNIT

06881	LAB	EA	ARR						STAFF

COURSES FOR GRADUATES

V M S 408 PRINCIPLES OF HEMATOLOGY.
PREREQUISITE--V.M.S. 301 OR EQUIVALENT, OR CONSENT OF INSTRUCTOR.
1/2 UNIT

06882	LAB-DISC	A	ARR						ST CLAIR

V M S 415 MECHANISMS OF MICROBIAL INFECTIONS.
PREREQUISITE--MCBIO. 326 OR V.M.S. 332 OR EQUIVALENT.
1 UNIT

06883	LAB-DISC	A	ARR						HANSON, RISTIC

V M S 430 ADVANCED VETERINARY PARASITOLOGY.
PREREQUISITE--V.M.S. 333 AND 336, OR ZOOL. 318 AND 321 OR EQUIVALENT.
1/2 TO 1 UNIT

06884	LAB-DISC	A	ARR						LEVINE, MARQUARDT SILVERMAN

V M S 441 DESIGN AND ANALYSIS OF BIOLOGICAL EXPERIMENTS, II.
SAME AS AN. S., D.S., HORT., AND AGRON. 441.
PREREQUISITE--V.M.S. 440 OR EQUIVALENT.
1 UNIT

06885	LECT		9	M W F	W109	T H			CARMER
06886	LAB	A	1-3	M	N107	T H			
06887	LAB	B	3-5	M	N107	T H			
06888	LAB	C	1-3	TU	N107	T H			
06889	LAB	D	3-5	TU	N107	T H			

V M S 459 ADVANCED CORRELATIVE PATHOLOGY.
PREREQUISITE--V.M.S. 335, 308, 445, 450, OR EQUIVALENT, CONSENT OF INSTRUCTOR.
1/2 OR 1 UNIT

06890	LAB-DISC	A	ARR						SIMON, WATRACH

V M S 490 SEMINAR.
REQUIRED OF GRADUATE STUDENTS WHOSE MAJOR IS VETERINARY MEDICAL SCIENCE.
0 OR 1/4 UNIT

06891	DISC	A	4	W	158	V M			BRANDLY AND STAFF

V M S 492 SPECIAL PROBLEMS.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/4 TO 1 UNIT

06892	LAB	A	ARR							STAFF

V M S 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

06893	LAB	A	ARR							STAFF

VETERINARY MEDICINE

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

V M 392 SPECIAL PROBLEMS.
PREREQUISITE--PROFESSIONAL STANDING IN VETERINARY CURRICULUM AND GRADE POINT AVERAGE OF 3.5.
•STUDENTS MAY ACCUMULATE 6 HOURS, OR 1 UNIT
•3 HOURS, OR 1/2 UNIT

06894	LAB	A	ARR							STAFF

VETERINARY PATHOLOGY AND HYGIENE

DEPARTMENT OFFICE 137 V M

PROFESSIONAL COURSES

V P H 331 VETERINARY BACTERIOLOGY.
PREREQUISITE--FIRST YEAR STANDING IN VETERINARY MEDICINE CURRICULUM OR CONSENT OF INSTRUCTOR.
5 HOURS

06895	LECT	A	11	M	W	F	136	V M		HANSON, RHOADES
06896	LAB	B1	8-10	M	W	F	168	V M		
06897	LAB	A1	2-4	M	W	F	168	V M		

V P H 335 SPECIAL PATHOLOGY.
PREREQUISITE--SECOND YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
5 HOURS

06898	LECT	A	8	M	W	F	136	V M		SIMON
06899	LAB	A1	9-11	M	W	F	132	V M		
06900	LAB	B1	2-4	M	W	F	132	V M		

V P H 336 HELMINTH PARASITES.
PREREQUISITE--SECOND YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
3 HOURS

06901	LECT	A	8	TU	TH		136	V M		IVENS,
06902	LAB	A1	1-4	TU			168	V M		MARQUARDT
06903	LAB	B1	1-4		TH		168	V M		

V P H 337 CLINICAL PATHOLOGY CONFERENCE.
PREREQUISITE--THIRD YEAR STANDING IN PROFESSIONAL CURRICULUM.
NO CREDIT

06904	LECT-DISC	A	10		TH		150	V M		SIMON

V P H 339 CLINICAL PATHOLOGY CONFERENCE.
PREREQUISITE--V.P.H. 337.
NO CREDIT

06905	LECT-DISC	A	10		TH		150	V M		SIMON

V P H 341 FOOD HYGIENE AND PUBLIC HEALTH.
PREREQUISITE--FOURTH YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
5 HOURS

06906	LECT	A	8	MTU THF	150	V M	
06906	LAB	A	8-10	W	150	V M	

VETERINARY PHYSIOLOGY AND PHARMACOLOGY

DEPARTMENT OFFICE 263 V M

PROFESSIONAL COURSES

V P P 315 PHYSIOLOGY.
PREREQUISITE--FIRST YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
3 HOURS

06907	LECT	A	9	TU TH	253	V M	LINK
06908	LAB	A1	9-12	TU	266	V M	
06909	LAB	B1	9-12	TH	266	V M	

V P P 317 PHYSIOLOGY.
PREREQUISITE--V.P.P. 316 OR CONSENT OF INSTRUCTOR.
3 HOURS

06910	LECT	A	9	TU TH	253	V M	LINK
06911	LAB	A1	1-5	TH	266	V M	
06912	LAB	B1	1-5	TU	266	V M	

V P P 318 PHARMACOLOGY.
PREREQUISITE--SECOND YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
4 HOURS

06913	LECT	A	1	M W F	253	V M	HUBER
06914	LAB	A1	2-5	F	266	V M	
06915	LAB	B1	9-12	F	266	V M	

V P P 319 VETERINARY RADIOPHYSIOLOGY.
PREREQUISITE--SECOND YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR. FOR NON-VETERINARY STUDENTS, CHEM. 122 OR 124 AND 133 OR 234, OR EQUIVALENT.
1 HOUR

06916	LAB-DISC	A	2-4	W	266	V M	TWARDOCK
06917	LAB-DISC	B	9-11	W	266	V M	

V P P 324 NUTRITIONAL DEFICIENCIES.
PREREQUISITE--THIRD YEAR STANDING IN VETERINARY CURRICULUM OR CONSENT OF INSTRUCTOR.
FIELD TRIP.
2 HOURS

06918	LECT	A	10	TU F	253	V M	HUBER

V P P 325 RADIOISOTOPES IN BIOLOGICAL RESEARCH--PRINCIPLES AND PRACTICE.
PREREQUISITE--QUANTITATIVE CHEMISTRY, ONE YEAR EACH OF MATHEMATICS, PHYSICS, BIOLOGY AND/OR CONSENT OF INSTRUCTOR.
3 HOURS

06919	LECT	A	11	M W	253	V M	TWARDOCK
06919	LAB	A	ARR				

DEPARTMENT OFFICE 347 EDUC

COURSES FOR UNDERGRADUATES

VOTEC 101 NATURE OF THE TEACHING PROFESSION.
2 HOURS
SECT G-AG & IND. SECT L-HOME EC.

06920	LECT-DISC	G	3	M	F	33	EDUC		WARMBROD
06921	LECT-DISC	L	10-12		TH	25	EDUC		WHITMARSH
		L	10	TU		25	EDUC		WHITMARSH

VOTEC 181 INTRODUCTORY WOODWORK.
4 HOURS

06922	LECT	A	2	M	W	F	33	EDUC	
06922	LAB	A	3-5	M	W	F	48A	EDUC	

VOTEC 182 ADVANCED COURSE IN WOODWORK.
PREREQUISITE--VO. TEC. 181.
4 HOURS

06923	LECT		2	M	W	F	33	EDUC	
06923	LAB		10-11			F	48A	EDUC	
			10-12	M	W		48A	EDUC	

VOTEC 183 GENERAL METALWORK.
4 HOURS

06924	LECT		1	TU	TH		33	EDUC	
06924	LAB		2-5	TU	TH		38	EDUC	

VOTEC 188 GENERAL SHOP FOR ELEMENTARY AND SPECIAL EDUCATION TEACHERS.
3 HOURS

06925	LECT	A	9	TU	TH		33	EDUC	
06925	LAB	A	10-12		TH		38	EDUC	
06926	LECT	B	7PM	TU	TH		1	EDUC	
06926	LAB	B	8-10PM	TU	TH		38	EDUC	

VOTEC 189 INDUSTRIAL PRACTICES.
PREREQUISITE--SOPHOMORE STANDING, ENROLLMENT IN INDUSTRIAL EDUCATION OPTIONS II AND III.
•STUDENTS MAY ACCUMULATE SEVENTEEN HOURS.
•2 OR 3 HOURS

06927	PRACT		ARR						

COURSES FOR ADVANCED UNDERGRADUATES

VOTEC 240 PRINCIPLES OF VOCATION AND TECHNICAL EDUCATION.
PREREQUISITE--VOTEC. 101 AND PSYCH. 100.
2 HOURS
•SECTION G--AGR, IND, BUS ED
•SECTION E--HOME EC

06928	LECT-DISC	A	3	M	F	28	EDUC		FULLER
06929	LECT-DISC	B	3	M	F	25	EDUC		E SIMPSON

VOTEC 249 INDEPENDENT STUDY.
PREREQUISITE--UPPER CLASSMAN, UPPER 5 PER CENT OF CLASS IN GRADE POINT AVERAGE, CONSENT OF ADVISER AND STAFF MEMBER WHO SUPERVISES THE WORK.
2 HOURS

06930	CONF	EA	ARR						STAFF

VOTEC 276 STUDENT TEACHING IN VOCATIONAL AGRICULTURE.
PREREQUISITE--HP. ED. 201 AND VOTEC. 240 OR CONSENT OF INSTRUCTOR AND CONCURRENT ENROLLMENT IN VOTEC. 277.
5 HOURS

06931	PRACT		ARR						HEMP, KREBS, FULLER, WARMBROD

VOTEC 277 PROGRAMS AND PROCEDURES IN AGRICULTURAL EDUCATION.
PREREQUISITE--HP. ED. 201, AND VOTEC. 240 OR CONSENT OF INSTRUCTOR AND CONCURRENT ENROLLMENT IN VOTEC. 276.
5 HOURS
*FIELD TRIPS WILL BE MADE ON WEDNESDAY. WILL NOT MEET DURING 6-WEEK STUDENT TEACHING.

06932	LECT-DISC	8-10	MTU THF	28	EDUC	KREBS
		*8-5	W		ARR	

VOTEC 278 VOCATIONAL EDUCATION IN HOME ECONOMICS FOR ADULTS.
PREREQUISITE--SENIOR STANDING, REGISTRATION IN SE. ED. 241 AND ED. PR. 242.
3 HOURS
*WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

06933	LECT-DISC	9	MTUWTHF	25	EDUC	SPITZE

VOTEC 291 THESIS.
PREREQUISITE--SENIOR STANDING.
2 HOURS

06934	CONF	&A	ARR			STAFF

COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

VOTEC 383 DEVELOPMENT, ORGANIZATION, AND PRINCIPLES OF INDUSTRIAL EDUCATION.
3 HOURS, OR 1/2 OR 1 UNIT
WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

06935	LECT-DISC	7-9PM	TH	25	EDUC	

VOTEC 387 TRAINING PROGRAMS IN INDUSTRY.
PREREQUISITE--JUNIOR STANDING IN INDUSTRIAL EDUCATION OR CONSENT OF INSTRUCTOR.
4 HOURS, OR 1 UNIT

06936	LECT-DISC	630-10PM	M	1	EDUC	

VOTEC 388 SPECIAL TECHNIQUES OF TEACHING VOCATIONAL INDUSTRIAL SUBJECTS.
PREREQUISITE--JUNIOR STANDING AND TEN HOURS OF UNDERGRADUATE CREDIT IN APPROPRIATE VOCATIONAL AND TECHNICAL EDUCATION COURSES.
4 HOURS, OR 1 UNIT
WILL NOT MEET DURING THE SIX-WEEK STUDENT TEACHING PERIOD.

06937	LECT-DISC	10-12	M W F			

COURSES FOR GRADUATES

VOTEC 449 INDEPENDENT STUDY.
*MAY BE REPEATED FOR A MAXIMUM OF TWO UNITS, OR MORE BY SPECIAL CONSENT OF THE DEAN.
*1/2 OR 1 UNIT

06938	CONF	ARR				HEMP, KREBS

VOTEC 450 EVALUATION IN HOME ECONOMICS EDUCATION.
1 UNIT

06939	LECT-DISC	7-9PM	TU	25	EDUC	MATHER

VOTEC 474 SUPERVISED FARMING IN VOCATIONAL AGRICULTURE.
PREREQUISITE--VO. TEC. 276 AND 277 OR CONSENT OF INSTRUCTOR.
1/2 UNIT

06940	LECT-DISC	7-9PM	TU	33	EDUC	HEMP

VOTEC 489 ADMINISTRATION AND SUPERVISION OF INDUSTRIAL EDUCATION.
PREREQUISITE--UNDERGRADUATE WORK IN VOCATIONAL AND TECHNICAL EDUCATION.
1 UNIT

06941	LECT-DISC	7-9PM	TH	33	EDUC	E SIMPSON KARNES, PHIPP

VOTEC 490 SEMINAR FOR ADVANCED STUDENTS OF EDUCATION.
OPEN ONLY TO PERSONS WHO HAVE COMPLETED THE PRELIMINARY EXAMINATION FOR THE DEGREES OF PH.D. OR ED.D.
1 TO 2 UNITS
06942 CONF ARR GRADUATE STAFF

VOTEC 491 FIELD STUDY AND THESIS SEMINAR.
LIMITED TO ED.D. CANDIDATES.
1 TO 2 UNITS
06943 CONF ARR GRADUATE STAFF

VOTEC 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER--0 TO 2 1/2 UNITS
06944 CONF ARR GRADUATE STAFF

ZOOLOGY

DEPARTMENT OFFICE 345 N H

MAJOR--TWENTY HOURS IN ZOOLOGY, EXCLUDING ZOOL. 101, 104, 106 107, BIOL. 151, D G S 131 AND 132, AND BIOL. 101 AND 102 AT CHICAGO UNDERGRADUATE DIVISION. AT LEAST ONE COURSE MUST BE TAKEN IN EACH OF THE FOLLOWING AREA-GROUPS OF COURSES--
GENETICS AND DEVELOPMENT--ZOOL. 210, 333, 367
CELLULAR AND PHYSIOLOGICAL ZOOLOGY--ZOOL. 301, 302, 312, 334
ECOLOGY AND BEHAVIOR--ZOOL. 342, 343, 345, 346, 369
MORPHOLOGY AND SYSTEMATICS--ZOOL. 132, 142, 304, 305, 318, 320, 321, 324, 332, 335, 336, 337, 338, 340, 344
BIOL. 203, 204, 251, 351, AND ALL 200-, 300-, AND 400-LEVEL ZOOLOGY COURSES, EVEN IF NOT INCLUDED IN THE PRECEDING AREA LISTS, AUTOMATICALLY COUNT TOWARD THE TWENTY HOURS. ALSO REQUIRED ARE ONE YEAR OF PHYSICS, AT LEAST 3 SEMESTERS OF CHEMISTRY INCLUDING ORGANIC, AND MATHEMATICS THROUGH ANALYTIC GEOMETRY WITH CALCULUS HIGHLY RECOMMENDED. ALSO HIGHLY RECOMMENDED IS ONE COURSE IN GENERAL BOTANY, MICROBIOLOGY, OR GEOLOGY. THESE REQUIREMENTS ARE EFFECTIVE FOR ALL UNDERGRADUATE STUDENTS ENTERING THE UNIVERSITY AFTER SEPTEMBER 1963.

MINORS--TWENTY HOURS IN ONE OR TWO OF THE FOLLOWING SUBJECTS, WITH AT LEAST EIGHT HOURS IN EACH IF TWO ARE CHOSEN--ANIMAL SCIENCE, TO BE CHOSEN FROM COURSES 100, 110, 230, 305 OR 330, ANTHROPOLOGY, BOTANY, CHEMISTRY, EDUCATION, ENTOMOLOGY, GEOGRAPHY, GEOLOGY, MATHEMATICS, MICROBIOLOGY, PHYSICS, PHYSIOLOGY, AND PSYCHOLOGY.

COURSES FOR UNDERGRADUATES

NOTE--D G S 131 AND 132 OR BIOL. 151 AND 251 MAY BE SUBSTITUTED FOR ZOOL. 101 OR 104 WHEREVER EITHER OF THE LATTER CONSTITUTES A PREREQUISITE.

ZOOL 101 GENERAL ZOOLOGY.
FIELD TRIP.
*CREDIT IS NOT GIVEN IN ZOOL. 101 IN ADDITION TO CREDIT IN D. G. S. 131 OR 132.
*STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 4 HOURS CREDIT.
*5 HOURS
*SECTION &S IS RESERVED FOR JAMES SCHOLARS AND OTHER HONOR STUDENTS.

06945	LECT	1	9	M W	228	N H B
06946	LAB-DISC	D	10-12	M W F	309	N H B
06947	LAB-DISC	E	10-12	M W F	313	N H B
06948	LAB-DISC	G	1-3	M W F	309	N H B
06949	LAB-DISC	H	1-3	M W F	313	N H B
06950	LAB-DISC	K	8-10	TU TH S	309	N H B
06951	LAB-DISC	L	8-10	TU TH S	313	N H B
06952	LAB-DISC	M	10-12	TU TH S	309	N H B
06953	LAB-DISC	N	10-12	TU TH S	313	N H B
06957	LAB-DISC	*&S	1-4	TU TH	309	N H B
06954	LAB-DISC	O	1-4	TU TH	313	N H B
06955	LAB-DISC	P	3-5	M W F	309	N H B
06956	LAB-DISC	T	3-5	M W F	313	N H B

ZOOL 104 ELEMENTARY ZOOLOGY.

•CREDIT IS NOT GIVEN IN ZOOL. 104 IN ADDITION TO CREDIT IN B. S. S. 141 OR 132.

•STUDENTS WITH 90 OR MORE CREDIT HOURS RECEIVE ONLY 3 HOURS CREDIT.

•4 HOURS

06958	LECT	A	9	TU TH	112	G H			INGLE, LONG
06959	LECT	B	3	TU TH	112	G H			AND STAFF
06960	LAB-DISC	1	8-10	M W	315	N H B			
06961	LAB-DISC	2	8-10	M W	418	N H B			
06962	LAB-DISC	3	8-10	M W	422	N H B			
06963	LAB-DISC	4	10-12	M W	315	N H B			
06964	LAB-DISC	5	10-12	M W	418	N H B			
06965	LAB-DISC	6	10-12	M W	422	N H B			
06966	LAB-DISC	7	1-3	M W	315	N H B			
06967	LAB-DISC	8	1-3	M W	418	N H B			
06968	LAB-DISC	9	1-3	M W	422	N H B			
06969	LAB-DISC	10	3-5	M W	315	N H B			
06970	LAB-DISC	11	3-5	M W	418	N H B			
06971	LAB-DISC	12	3-5	M W	422	N H B			
06972	LAB-DISC	13	8-10	TU TH	315	N H B			
06973	LAB-DISC	14	8-10	TU TH	418	N H B			
06974	LAB-DISC	15	8-10	TU TH	422	N H B			
06975	LAB-DISC	16	10-12	TU TH	315	N H B			
06976	LAB-DISC	17	10-12	TU TH	418	N H B			
06977	LAB-DISC	18	10-12	TU TH	422	N H B			
06978	LAB-DISC	19	1-3	TU TH	315	N H B			
06979	LAB-DISC	20	1-3	TU TH	418	N H B			
06980	LAB-DISC	21	1-3	TU TH	422	N H B			
06981	LAB-DISC	22	3-5	TU TH	315	N H B			
06982	LAB-DISC	23	3-5	TU TH	418	N H B			
06983	LAB-DISC	24	3-5	TU TH	422	N H B			
06984	LAB-DISC	25	8-12	F	315	N H B			
06985	LAB-DISC	26	8-12	F	418	N H B			
06986	LAB-DISC	27	8-12	F	422	N H B			
06987	LAB-DISC	28	1-5	F	315	N H B			
06988	LAB-DISC	29	1-5	F	418	N H B			
06989	LAB-DISC	30	1-5	F	422	N H B			

ZOOL 107 EVOLUTION.

PREREQUISITE--SOPHOMORE STANDING.

3 HOURS

06990	DISC		9	M W F	100	N L			KITZMILLER

ZOOL 132 COMPARATIVE VERTEBRATE ANATOMY.

PREREQUISITE--ZOOL. 101 OR ONE YEAR OF GENERAL BIOLOGY--SUCH AS BIOLOGICAL SCIENCE OR THE BOTANY-ZOOLOGY SEQUENCE, A GRADE OF C IN ZOOL. 101 IS REQUIRED OF FRESHMEN.

•CREDIT IS NOT GIVEN FOR BOTH ZOOL. 132 AND 142.

•5 HOURS

06991	LECT		10	M W F	229	N H B			SMITH
06992	LAB-DISC	A	8-10	M W F	330	N H B			
06993	LAB-DISC	B	11-1	M W F	330	N H B			
06994	LAB-DISC	C	1-3	M W F	330	N H B			
06995	LAB-DISC	D	3-5	M W F	330	N H B			
06996	LAB-DISC	E	7-9PM	M W F	330	N H B			
06997	LAB-DISC	F	8-11	TU TH	330	N H B			
06998	LAB-DISC	G	11-2	TU TH	330	N H B			

COURSES FOR ADVANCED UNDERGRADUATES

ZOOL 210 GENETICS.

SAME AS BOT. 210.

PREREQUISITE--BOT. 100 AND ZOOL. 101 OR CONSENT OF INSTRUCTOR.

4 HOURS

06999	LECT		2	M W F	124	BUR HALL			KITZMILLER,
									LAUGHNAN
07000	LAB-DISC	1	8-10	TU		H H			LUCE, NANNEY
07001	LAB-DISC	2	8-10	W		H H			
07002	LAB-DISC	3	10-12	W		H H			
07003	LAB-DISC	4	8-10	TH		H H			
07004	LAB-DISC	5	8-10	F		H H			
07005	LAB-DISC	6	10-12	F		H H			

ZOOL 300 GENERAL SEMINAR.
REQUIRED OF ALL GRADUATE STUDENTS BUT ALSO OPEN TO SENIORS WHOSE MAJOR IS ZOOLOGY.
NO CREDIT

07006	DISC		4	TU	124	BUR HALL	

ATTENTION IS ALSO CALLED TO THE FOLLOWING SPECIAL CLUBS AND SEMINARS
ANIMAL ECOLOGY CLUB. 5 PM W, 302 VIVARIUM.
GENETICS SEMINAR--INTERDEPARTMENTAL. 4 PM, FIRST AND THIRD, MONDAYS, 341 A S L.
ENDOCRINOLOGY SEMINAR--INTERDEPARTMENTAL. FOR TOPICS, TIME, AND PLACE, SEE UNIVERSITY CALENDAR.
PARASITOLOGY-PROTOZOOLOGY SEMINAR. SECOND TUESDAYS, 7.30 P M. 167 VET MED.
FOR DETAILS, SEE UNIVERSITY CALENDAR.

ZOOL 302 EXPERIMENTAL ANIMAL PHYSIOLOGY.
SAME AS PHYSL. 302.
PREREQUISITE--ONE YEAR EACH OF COLLEGE LEVEL BIOLOGY, MATHEMATICS AND PHYSICS, CHEMISTRY THROUGH ORGANIC.
5 HOURS, OR 1 UNIT

07007	LECT		9	M W F	229	N H B		ANDERSON
07008	LAB-DISC	1	1-5	M	523	BUR HALL		
07009	LAB-DISC	2	1-5	TU	523	BUR HALL		
07010	LAB-DISC	3	1-5	W	523	BUR HALL		
07011	LAB-DISC	4	1-5	TH	523	BUR HALL		
07012	LAB-DISC	5	8-12	TU	523	BUR HALL		
07013	LAB-DISC	6	8-12	TH	523	BUR HALL		

ZOOL 303 INDIVIDUAL TOPICS.
PREREQUISITE--TWO YEARS OF ZOOLOGY, SENIOR STANDING, APPROVAL OF DEPARTMENT.
2 TO 5 HOURS, OR 1/2 OR 1 UNIT

07014	CONF	&A	ARR				STAFF

ZOOL 306 BIOLOGY FOR TEACHERS.
SAME AS BOT. 306.
PREREQUISITE--BOT. 100, ZOOL. 101 OR 104, OR A ONE-YEAR COURSE IN GENERAL BIOLOGY, JUNIOR STANDING, EXPECTATION OF TEACHING.
FIELD TRIPS ADJUSTED TO PRACTICE TEACHING. 2 TO 4 HOUR TRIPS ON SATURDAY.
3 HOURS, OR 1/2 UNIT
*4 ADDITIONAL CLASS MEETINGS TO BE ARRANGED.

07015	LECT		3-5	TH	4G	EDUC	STAFF
07015	LAB-DISC		3-5	TU F	4G	EDUC	

ZOOL 312 ENDOCRINOLOGY.
SAME AS PHYSL. 312.
PREREQUISITE--ZOOL. 301 OR PHYSL. 301 OR A COURSE IN BIOCHEMISTRY, CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

07016	LECT		11	M W F	136	BUR HALL	GORSKI
07017	LAB	1	8-12	TU	417	BUR HALL	
07018	LAB	2	8-12	TH	417	BUR HALL	

ZOOL 320 INVERTEBRATE ZOOLOGY.
PREREQUISITE--ZOOL. 101 OR ZOOL. 104.
5 HOURS, OR 1 UNIT

07019	LECT		8	M W F	229	N H B
07020	LAB	A	9-12	M W	420	N H B
07021	LAB	B	1-4	M W	420	N H B

ZOOL 330 PRACTICAL MICROTECHNIQUE.
PREREQUISITE--ONE YEAR OF BIOLOGY.
3 HOURS, OR 1/2 UNIT

07022	LAB-DISC		9-12	TU TH	316	N H B	KRUIDENIER

ZOOL 333 VERTEBRATE EMBRYOLOGY.
PREREQUISITE--ZOOL. 132.
5 HOURS, OR 1 UNIT

07023	LECT		3	TU TH	228	N H B		ADAMSTONE
07024	LAB-DISC	A	8-10	M W F	323	N H B		
07025	LAB-DISC	B	10-12	M W F	323	N H B		
07026	LAB-DISC	C	1-3	M W F	323	N H B		
07027	LAB-DISC	D	3-5	M W F	323	N H B		
07028	LAB-DISC	E	8-10	TU TH S	323	N H B		
07029	LAB-DISC	F	10-12	TU TH S	323	N H B		
07030	LAB-DISC	G	12-3	TU TH	323	N H B		

ZOOL 334 VERTEBRATE HISTOLOGY AND CYTOLOGY.
PREREQUISITE--ONE YEAR OF ZOOLOGY OR EQUIVALENT.
4 HOURS, OR 1 UNIT
*LAB A WILL NOT BE OPENED UNTIL OTHERS ARE FILLED.

07031	LECT		9	TU TH	229	N H B		ADAMSTONE,
07035	LAB-DISC	*A	10-12	TU TH	326A	N H B		DAVENPORT
07032	LAB-DISC	B	10-12	M W	326A	N H B		
07033	LAB-DISC	C	1-3	M W	326A	N H B		
07034	LAB-DISC	D	1-3	TU TH	326A	N H B		

ZOOL 335 ORNITHOLOGY.
PREREQUISITE--ZOOL. 101 OR 104.
FIELD TRIPS.
3 HOURS, OR 1/2 UNIT

07036	LECT		11	TU TH	140	BUR HALL		KENDEIGH
07037	LAB-DISC	A	1-4	TH	302	VIVARIUM		
07038	LAB-DISC	B	9-12	S	302	VIVARIUM		
07039	LAB-DISC	C	1-4	W	302	VIVARIUM		

ZOOL 338 HERPETOLOGY.
PREREQUISITE--ZOOL. 132.
3 HOURS, OR 1/2 UNIT

07040	LECT		1	TU TH	229	N H B		SMITH
07040	LAB-DISC		2-4	TU TH	415	N H B		

ZOOL 340 NATURAL HISTORY OF THE VERTEBRATES.
PREREQUISITE--ONE YEAR OF BIOLOGY INCLUDING ZOOL. 101, CONSENT OF INSTRUCTOR.
5 HOURS, OR 1 UNIT

07041	LECT		2	M W	140	BUR HALL		SHOEMAKER
07041	LAB		8-12	S	102B	VIVARIUM		
07042	LAB-DISC	A	3-5	M	102B	VIVARIUM		
07043	LAB-DISC	B	3-5	W	102B	VIVARIUM		

ZOOL 341 FIELD ECOLOGY.
PREREQUISITE--CREDIT OR REGISTRATION IN ONE OF THE FOLLOWING--
ZOOL. 304, 335, 336, 337, 338, 340, 345, CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 3 HOURS.
*1 HOUR, OR 1/4 UNIT
*1965 TRIP TO GULF COAST, MARSHES IN LOUISIANA, GREAT SMOKY, MAMMOTH CAVE NATIONAL PARKS, AND OAK RIDGE NATIONAL LABORATORY, APRIL 17 TO APRIL 27. DEPOSIT REQUIRED BY APRIL 2.

07044	LAB		ARR					KENDEIGH

ZOOL 343 LIMNOLOGY.
PREREQUISITE--ZOOL. 101, 104 OR BOT. 100.
5 HOURS, OR 1 UNIT

07045	LECT		1	TU TH	420	N H B		MATTESON
07046	LAB-DISC	A	8-11	TU TH	420	N H B		
07047	LAB-DISC	B	2-5	TU TH	420	N H B		

COURSES FOR GRADUATES

ZOOL 406 PHYSIOLOGY OF REPRODUCTION
SAME AS AN. S. 406.
1 UNIT
*CONFERENCE TO BE ARRANGED.

07048	LAB-DISC		*1-3	TU TH	135	A S L		NALBANDOV

ZOOL 407 EVOLUTIONARY THEORY.
PREREQUISITE--ONE COURSE IN GENETICS OR CONSENT OF INSTRUCTOR.
1 UNIT

07049	LECT-DISC		11	TU TH	434	N H B		BADER

ZOOL 408 LABORATORY METHODS IN PHYSIOLOGY OF REPRODUCTION.
SAME AS AN. S. 408.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 TO 1 UNIT
07050 LAB ARR DZIUK, NALBANDOV

ZOOL 411 DISCUSSIONS IN GENETICS AND CYTOGENETICS.
SAME AS BOT. 411.
1/4 UNIT
07051 LECT-DISC 4 W 416 N H B KITZMILLER, BADER, LUCE, STEFFENSEN, LAUGHNAN, NANNEY

ZOOL 412 ADVANCED ENDOCRINOLOGY
SAME AS AN. S., D. S., AND PHYSL. 412.
PREREQUISITE--CONSENT OF INSTRUCTOR.
*STUDENTS MAY ACCUMULATE 2 UNITS.
*1/2 UNIT
TOPIC - TO BE ANNOUNCED.
07052 DISC 730-10PM M 140 BUR HALL GORSKI NALBANDOV

ZOOL 423 ELECTRON MICROSCOPY.
SAME AS BIOL. AND CHEM. 423.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENTS WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS AND MATHEMATICS.
1/4 UNIT
07053 LECT 4 M 282 BEV HALL HALL

ZOOL 429 ELECTRON MICROSCOPY LABORATORY.
SAME AS BIOL. AND CHEM. 429.
PREREQUISITE--GRADUATE STANDING IN ALL DEPARTMENTS WITH SOME BACKGROUND IN CHEMISTRY, PHYSICS, AND MATHEMATICS, CREDIT OR REGISTRATION IN ZOOL. 423, CONSENT OF INSTRUCTOR.
1/2 OR 3/4 UNIT
07054 LECT 4 W 282 BEV HALL HALL
07054 LAB ARR

ZOOL 430 BIOLOGICAL ULTRASTRUCTURE.
SAME AS ENTOM., MCBIO., AND PHYSL. 430.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1 UNIT
07055 LECT 10 M W F 140 BUR HALL HALL

ZOOL 433 EMBRYOLOGY.
PREREQUISITE--ZOOL. 333 AND 367.
*MAXIMUM CREDIT FOR MASTERS CANDIDATES ONE UNIT, DOCTORAL CANDIDATES THREE UNITS.
*1/2 UNIT
07056 DISC 10-12 F 244 M E B MOYER

ZOOL 444 CONCEPTS IN ETHOLOGY.
PREREQUISITE--ZOOL. 346.
1/2 UNIT
07057 DISC ARR BARLOW

ZOOL 446 PHYSIOLOGICAL ECOLOGY.
1 UNIT
07058 LECT 4 M W F 136 BUR HALL KENDEIGH
07058 LAB 8-12 S 201 VIVARIUM

ZOOL 451 ADVANCED CELLULAR PHYSIOLOGY.
SAME AS PHYSL. AND BOT. 451.
PREREQUISITE--CONSENT OF INSTRUCTOR.
1/2 UNIT
TOPIC--TO BE ANNOUNCED.
07059 DISC ARR

ZOOL 467 EXPERIMENTAL EMBRYOLOGY.
PREREQUISITE--ZOOL. 367.
1 UNIT
07060 LAB-DISC A 1-5 TU TH 314 N H B WATTERSON

ZOOL 499 THESIS RESEARCH.
0 TO 4 UNITS, SUMMER -- 0 TO 2 UNITS

ANATOMY, PHYSIOLOGY, AND GENERAL CLASSIFICATION OF VERTEBRATES--

VERTEBRATE ANATOMY	BADER, SMITH
ENDOCRINOLOGY	HALL, NALBANDOV
HISTOLOGY	ADAMSTONE
ULTRASTRUCTURE	HALL
FUNCTIONAL ANATOMY	
VERTEBRATE PHYSIOLOGY	PROSSER

ANATOMY, PHYSIOLOGY, AND GENERAL CLASSIFICATION OF INVERTEBRATES--

HELMINTHOLOGY	KRUIDENIER, SILVERMAN
INVERTEBRATE ZOOLOGY	MATTESON
INVERTEBRATE PHYSIOLOGY	PROSSER,
PARASITOLOGY	KRUIDENIER, SILVERMAN
PROTOZOOLOGY	

EMBRYOLOGY AND BASIC KNOWLEDGE OF CELLS AND TISSUES--

CYTOLOGY	ADAMSTONE, DAVENPORT
EMBRYOLOGY AND REGENERATION	DAVENPORT, MOYER, WATTERSON
TOXICOLOGY	INGLE

PRINCIPLES OF ECOLOGY, PRINCIPLES OF TAXONOMY, NATURAL HISTORY--

ECOLOGY	KENDEIGH
ETHOLOGY	BARLOW
HERPETOLOGY	SMITH
ICHTHYOLOGY	SHOEMAKER
LIMNOLOGY	MATTESON
MAMMALOGY	HOFFMEISTER, LEE
ORNITHOLOGY	KENDEIGH
WILDLIFE MANAGEMENT	KENDEIGH, SHOEMAKER

GENETICS, PHYLOGENY, EVOLUTION--

GENETICS AND EVOLUTION	KITZMILLER, LUCE, NANNEY
VERTEBRATE PHYLOGENY & PALEONTOLOGY	BADER

07061 CONF ARR STAFF

TRIAL REGISTRATION FORM

Date.....

Name.....
[Surname first; then given names]

College.....

{Urbana-Champaign
{Address.....

Course (or Major).....

Telephone.....

Class.....

Subject (i. e., Department)	Course No.	Sec.	Credit Hours	M	T	W	T	F	S	Memoranda

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